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Scaling new heights in Research

DLAB

your accessible solution

Catalog **2026**

Our History

DLAB Scientific Co., Ltd. (DLAB) specializes in manufacturing laboratory instruments and equipment, integrating research, production, and trade. Established nearly two decades ago, the company is headquartered in Beijing, spanning 22 acres with 40,000 square meters of office and production facilities. Its product portfolio covers diverse categories, including pipettes, distillation systems, heating and stirring equipment, temperature control, centrifuges, PCR systems, UV spectrophotometers, electrochemical instruments, and electrophoresis equipment.

DLAB's products are widely used in fields such as chemistry, biology, clinical diagnostics, forensics, environmental protection, and food safety, as well as in government monitoring and quality inspections. The company adheres to ISO 9001/13485 standards, with many products certified by TÜV Rheinland and Intertek, including CE and cTUVus/cETLus. Proximity to Beijing Capital Airport ensures efficient logistics for both domestic and international customers.

With a strong commitment to quality and safety, DLAB operates large-scale production facilities supported by an independent R&D team and a mature supply chain. The company continues to deliver cost-effective, high-quality solutions, reflecting its vision to serve customers globally.

Our Achievements

Over the years, DLAB has garnered significant milestones that highlight its excellence and innovation:
2021: DLAB’s calibration laboratory received CNAS certification, affirming its technical capabilities and commitment to high standards.
2022: The company was recognized as a municipal "Specialized and New" enterprise and a "Specialized and New Little Giant," and obtained the GB/T29490-2013 Intellectual Property Management System certification, further demonstrating its innovation and leadership in the industry.
2024: DLAB earned ISO 14001:2015 environmental management system certification, showcasing its dedication to sustainability and eco-friendly operations. Additionally, it became a GS1 China barcode system member, enhancing its global market access and supply chain efficiency.
DLAB’s DRAGONLAB pipette has become a benchmark in the market, holding a strong position both domestically and internationally. With a growing global footprint, the company operates branches in the United States and Turkey, as well as its first overseas factory in Johor Bahru, Malaysia, which boosts supply and service efficiency for the Asia-Pacific market.
Today, DLAB products are sold in over 120 countries and regions, reflecting the company’s unwavering commitment to quality, innovation, and customer satisfaction.

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DLAB products are manufactured in accordance with ISO9001 and ISO13485. All products comply with EU and North America standards, CE, cTÜVus, FCC marked and subjected to the strict QC control.
DLAB instruments are tested and conform to the following safety and EMC standards:
EN 61010-1 UL 3101-1 CAN/CSA C22.2(1010-1)
EN 61010-2-10 EN 61326-1 EMC-guidelines: 89/336/EWG Instrument guidelines: 73/023/EWG

Liquid Handling

DLAB Liquid Handling range includes Micropipettes (Electronic Pipettes & Mechanical Pipettes), Pipette Filler, Pipette Controller and Stepper.

List of DLAB models:

Series	Image	Model	Application	Operation Method	Volume Range	Channel Option	Autoclavable	Page
Mechanical Pipette		Mi-Pette*	Aqueous solution	Mechanical	0.1-1000μL	Single Channel Adj	YES	p.14
					0.5-300μL	8 Channel Adj.; 12 Channel Adj.;		
		Mi-Pette-LTS*	Aqueous solution	Mechanical	0.1-1000μL	Single Channel Adj	YES	p.12
					0.5-300μL	8 Channel Adj.; 12 Channel Adj.;		
		HiPette	Aqueous solution	Mechanical	0.1-10000μL	Single channel	YES	p.08
					0.5-300μL	8 Channel Adj.; 12 Channel Adj.;		
					1-100μL	16Channel Adj.;		
		HiPette-LTS	Aqueous solution	Mechanical	0.1-1000μL	Single Channel Adj	YES	p.04
					0.5-300μL	8 Channel Adj.; 12 Channel Adj.;		
		MicroPette Plus	Aqueous solution	Mechanical	0.1-20000μL	Single Channel Adj. & Fixed;	YES	p.16
					0.5-1000μL	8 Channel Adj.; 12 Channel Adj.;		
		TopPette	Aqueous solution	Mechanical	0.1-20000μL	Single Channel Adj. & Fixed;	YES (lower part)	p.18
					0.5-300μL	8 Channel Adj.; 12 Channel Adj.;		
		MiniPette	Aqueous solution	Mechanical	25-300μL	Single Channel Fixed	NO	p.32
		Mini TopPette			5-300μL			
Electronic Pipette		E-Pette*	Aqueous solution	Electronic	0.5-20000μL	Single Channel Adj.	YES (lower part)	p.22
		dPette+	Aqueous solution	Electronic	0.5-1000μL	Single Channel Adj.	YES (lower part)	p.24
					0.5-300μL	8 Channel Adj.		
		dPette	Aqueous solution	Electronic	0.5-1000μL	Single Channel Adj.	YES (lower part)	p.27
Pipette Filler		Levo Plus	Aqueous solution	Electronic	0.1-100mL	Single channel	YES (silicon adapter&nozzle)	p.28
		Levo Me	Aqueous solution	Electronic	0.1-100mL	Single channel	YES (silicon adapter&nozzle)	p.30
Pipette Controller		Levo	Aqueous solution	Mechanical	0.1-100mL	Single channel	YES (silicon adapter&nozzle)	p.31
Pipette Pump		Levo E	Aqueous solution	Mechanical	2-25mL	Single channel	NO	p.33
Stepper		StepMate	Aqueous solution, high viscosity or volatile solution	Mechanical	0.5-50mL	Single channel	NO	p.34

Note: "*" indicates product coming soon

03/

Liquid Handling

In addition to Pipettes, Liquid Handling series also include various Dispensers, Electronic Burette and Vacuum Aspiration System, which are used for the pipetting, dispensing, and collection of reagents with a wider range.

List of DLAB models:

Product Name	Image	Model	Application	Operation Method	Volume Range	Recirculation Valve Function	Page
Bottle Top Dispenser		DispensMate	Dispensing and transferring reagents	Mechanical	0.5-60mL	No	P.47
Bottle Top Dispenser		DispensMate-Pro		Mechanical	0.5-100mL	Yes	P.46
Electronic Bottle-Top Dispenser		dFlow	Dispensing and transferring reagents	Electronic	0.1-99.99mL	Yes	P.45
		dFlow-Pro*		Electronic	0.02-99.99mL	Yes	P.41
Electronic Burette		dTirte	Used for titration operations in chemical analysis, food industry, and environmental analysis	Electronic	0.1-99.99mL	Yes	P.40
		dTirte-Pro*		Electronic	0.02-99.99mL	Yes	P.36
Vacuum Controlled Aspiration System		SafeVac	Collection and disposal of liquids, including aspiration of cell culture media, suspensions, and supernatants	Electronic	Vacuum AdjustmentRange：0-600 mbar; Collection Bottle Capacity：4L	No	P.48
Economical Vacuum Aspirator		EcoVac		Electronic	Vacuum range: 0-500mbar Bottle volume:2L	No	P.50
Bench top compact vacuum aspirator		SmartVAC	Collection and disposal of liquids, including aspiration of cell culture media, suspensions, and supernatants	Electronic	Vacuum level 600mbar; Collection bottle volume: 1L	No	P.52

Note: “*” indicates product coming soon

HiPette-LTS & HiPette

Fully Autoclavable (Light Touch) Manual Adjustable Colorful Pipette

The DLAB new generation fully autoclavable mechanical pipette has the best ergonomic design and ultralight weight. It has been designed keeping in mind the human form and human factors to offer smooth and effortless ergonomic pipetting experience. It is UV sterilisable and resistant to strong chemical corrosion. In addition, the volume lock helps protect from volume changing accidentally , and achieve reliable pipetting of smallest volume of liquids.

HiPette-LTS

Light feel manual adjustable color pipette

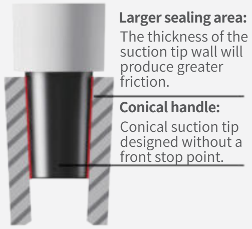
NEW

Advantage

- **Comfortable Handling:**
  Easy loading and ejection of LTS tips, smooth aspiration and dispensing, reducing wrist strain.
- **Effortless Operation:**
  Ideal for high-frequency, large-volume pipetting tasks.
- **Strong Consistency:**
  LTS technology ensures uniformity across multi-channel pipetting.

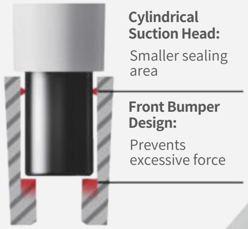
Hipette Tip system

High tip ejection force


Larger sealing area:
The thickness of the suction tip wall will produce greater friction.
Conical handle:
Conical suction tip designed without a front stop point.

Hipette-LTS Tip system

Low tip ejection force


Cylindrical Suction Head:
Smaller sealing area
Front Bumper Design:
Prevents excessive force

DLAB HiPette
100—1000 µl
0001

- **Efficient and Reliable:**
  Equipped with LTS tips and sleeves to ensure uniform aspiration and reliable results.
- **Advanced Design:**
  Thin-walled tips with a front stop design for simplicity and dependability.

Excellent channel uniformity

Ultra-light ergonomic design

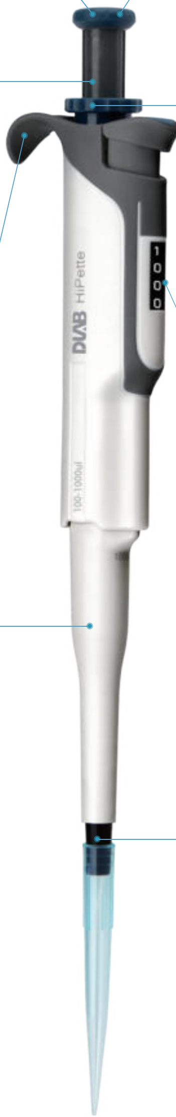
Light weight and light pipetting force with soft range adjustment and piston movement offers effortless &fatigue-less pipetting experience.

Accurate pipetting

Special material and the updated components & technologies effectively reduces the operating force for accuracy, precision and reliability.

Complete sterilization

The best in class pipette material used is fully autoclavable. It gives better protection against chemical & physical corrosion, and offers enhanced UV resistance for higher durability.



Smooth, Low Force, Effortless Button

Different colors of colored hats provide a rich choice of models, different ranges are easy to distinguish

Smooth Knob Adjustment
Light and smooth volume adjustment

Pull up the lock wheel to set the volume

One Key Volume Lock Setting

Push down the lock wheel to lock the volume

Ergonomic Design
Comfortable & Effortless, Precise & Accurate

Volume Display Window
New 4-digit volume display

Simple Disassembly
Easy routine maintenance

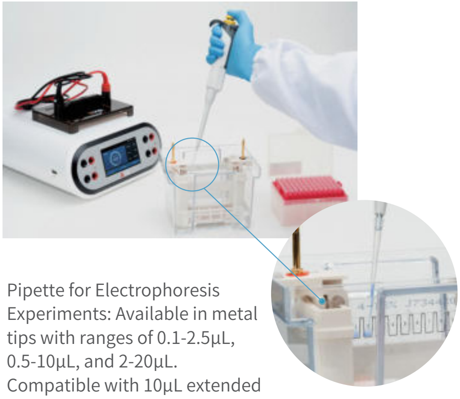
Filter Element
Reduces volatile liquids entry into the pipette body; helps avoid liquid back-flow caused by improper operation and thus prevents piston corrosion and contamination

NEW

HiPette

Manual Single-Channel Adjustable Color Pipette (Metal Tip)

NEW



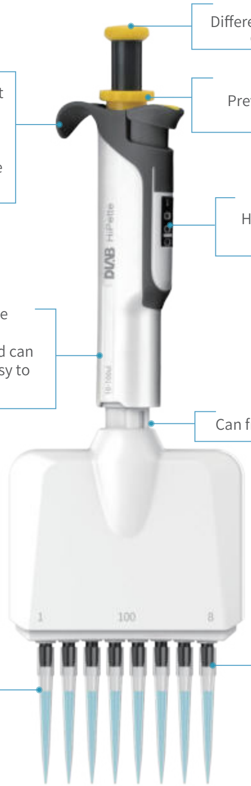
Pipette for Electrophoresis Experiments: Available in metal tips with ranges of 0.1-2.5µL, 0.5-10µL, and 2-20µL. Compatible with 10µL extended tips, ensuring fast, accurate, and stable loading for electrophoresis.

Small Tips for Electrophoresis Sample Loading:

- Shake the sample and Marker before loading.
- When loading, press the tip against the short glass plate, slightly tilt the HiPette electrophoresis-specific pipette to contact the liquid surface, and then add the sample slowly and evenly into the well comb to reduce bubble formation.
- Use extended pipette tips and replace the tip for each well to avoid sample and Marker contamination.
- Ensure that the sample volume and loading volume are consistent.
- Avoid using the outermost wells to prevent bending of bands due to uneven electric fields. Fill the wells with loading buffer if needed.
- Ensure the pipette tip is securely attached. The HiPette electrophoresis-specific pipette has two settings: first, press to the first setting, then immerse the tip into the sample and release the plunger. For sample loading, press down slowly, then switch to the second setting to ensure the entire sample is dispensed.
- Add buffer first, then add the sample to avoid sample being pushed to the sides.

HiPette

Fully Autoclavable Manual 8&12&16-Channel Adjustable Colorful Pipette



Color Coding:
Different colored caps correspond to different volume ranges.

Ergonomic Design:
The entire pipette is lightweight with a light press force. Ejecting the tip requires minimal effort, and the press stroke is of moderate length. The comfortable finger rest reduces hand fatigue, while the handle is easy and comfortable to grip.

Volume Lock Design:
Prevents accidental changes in volume.

4-Digit Display:
High accuracy and clear volume readings.

High-Temperature and High-Pressure Sterilization:
The entire pipette can be autoclaved and can also be disinfected with UV light. It is easy to disassemble and maintain.

Can freely rotate 360° in any direction.

NEW

Elastic Nozzle Function:
No need for repeated tapping; a light touch can securely attach the pipette tips, providing good tightness and consistency for multi-channel pipetting and reducing the force required for ejection.

Strong repeatability and consistency across 8 channels.

Specifications

SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTES
(10 MODELS, COVERING 0.1μL~10mL.)

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
⬜ 0.1-2.5	0.002	2.5	±0.04	±1.4	±0.02	±0.7
		1.25	±0.03	±2.5	±0.02	±1.5
		0.25	±0.03	±12.0	±0.02	±6.0
⬜ 0.5-10	0.01	10	±0.10	±1.0	±0.04	±0.4
		5	±0.08	±1.5	±0.04	±0.8
		1	±0.03	±2.5	±0.02	±1.8
🟨 2-20	0.02	20	±0.20	±1.0	±0.06	±0.3
		10	±0.12	±1.2	±0.06	±0.6
		2	±0.10	±5.0	±0.03	±1.5
🟨 5-50	0.05	50	±0.45	±0.9	±0.15	±0.3
		25	±0.35	±1.4	±0.20	±0.8
		5	±0.15	±3.0	±0.08	±1.6
🟨 10-100	0.1	100	±0.80	±0.8	±0.20	±0.2
		50	±0.50	±1.0	±0.15	±0.3
		10	±0.30	±3.0	±0.10	±1.0
🟧 20-200	0.2	200	±1.20	±0.6	±0.40	±0.2
		100	±1.00	±1.0	±0.30	±0.3
		20	±0.50	±2.5	±0.14	±0.7
🟥 30-300	0.2	300	±1.80	±0.6	±0.60	±0.2
		150	±1.50	±1.0	±0.45	±0.3
		30	±0.75	±2.5	±0.21	±0.7
🟦 100-1000	1	1000	±6.00	±0.6	±2.00	±0.2
		500	±5.00	±1.0	±1.00	±0.2
		100	±3.00	±3.0	±0.60	±0.6
🟪 500-5000	5	5000	±30.00	±0.6	±10.00	±0.2
		2500	±15.00	±0.6	±7.50	±0.3
		500	±12.00	±2.4	±3.00	±0.6
🟦 1000-10000	10	10000	±60.00	±0.6	±20.00	±0.2
		5000	±40.00	±0.8	±10.00	±0.2
		1000	±30.00	±3.0	±6.00	±0.6

7030700000	Set 1：0.5-10μL+10-100μL+100-1000μL+Linear Stand+Cap opener+Hipette pen
7030800000	Set 2：2-20μL+20-200μL+100-1000μL+Linear Stand+Cap opener+Hipette pen
7030900000	Set 3：100-1000μL+0.5-5mL+1-10mL+Linear Stand+Cap opener+Hipette pen

User calibration should refer to the industrial standard ISO8655-2.

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
⬜ 0.5-10	0.01	10	±0.2	±2.0	±0.12	±1.2
		5	±0.2	±4.0	±0.125	±2.5
		1	±0.1	±10.0	±0.06	±6.0
🟨 5-50	0.05	50	±0.6	±1.2	±0.3	±0.6
		25	±0.5	±2.0	±0.3	±1.2
		5	±0.25	±5.0	±0.2	±4.0
🟨 10-100	0.1	100	±1.0	±1.0	±0.5	±0.5
		50	±0.6	±1.2	±0.5	±1.0
		10	±0.4	±4.0	±0.25	±2.5
🟧 20-200	0.2	200	±2	±1.0	±1	±0.5
		100	±1.5	±1.5	±0.8	±0.8
		20	±0.8	±4.0	±0.4	±2.0
🟥 30-300	0.2	300	±3	±1.0	±1.5	±0.5
		150	±2.25	±1.5	±1.2	±0.8
		30	±1.2	±4.0	±0.6	±2.0

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
⬜ 0.5-10	0.01	10	±0.2	±2.0	±0.12	±1.2
		5	±0.2	±4.0	±0.125	±2.5
		1	±0.1	±10.0	±0.06	±6.0
🟨 5-50	0.05	50	±0.6	±1.2	±0.3	±0.6
		25	±0.5	±2.0	±0.3	±1.2
		5	±0.25	±5.0	±0.2	±4.0
🟨 10-100	0.1	100	±1.0	±1.0	±0.5	±0.5
		50	±0.6	±1.2	±0.5	±1.0
		10	±0.4	±4.0	±0.25	±2.5
🟧 20-200	0.2	200	±2	±1.0	±1	±0.5
		100	±1.5	±1.5	±0.8	±0.8
		20	±0.8	±4.0	±0.4	±2.0
🟥 30-300	0.2	300	±3	±1.0	±1.5	±0.5
		150	±2.25	±1.5	±1.2	±0.8
		30	±1.2	±4.0	±0.6	±2.0

16-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
🟨 1-20	0.01	20	±2	±0.4	±1	±2
		10	±4	±0.4	±2	±0.2
		2	±8	±0.16	±5	±0.1
🟨 5-100	0.1	100	±1	±1	±0.6	±0.6
		50	±1.2	±0.6	±0.8	±0.4
		10	±3	±0.3	±2	±0.2

Mi-Pette & Mi-Pette-LTS

A New Generation of Colorful, Fully Autoclavable Adjustable Pipettes

The Mi-Pette series features a lightweight, ergonomic design that provides a comfortable grip, ideal for long-term and high-frequency pipetting. The entire body is fully autoclavable and supports UV disinfection, ensuring easy maintenance and reliable daily use. Its high-precision volume adjustment mechanism delivers excellent accuracy and repeatability, while the LTS version further reduces the force required for tip loading and ejection, making every pipetting action easier, faster, and more consistent.

Mi-Pette-LTS

New Generation Colorful Fully Autoclavable Adjustable Pipette (Single-channel, 8-channel & 12-channel)

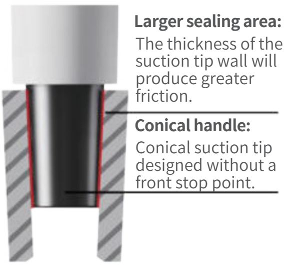
NEW

Advantage

- **Less effort:**
  LTS tips are easy to load and eject, achieving a secure seal without tapping, which reduces hand fatigue.
- **Easier to use:**
  The structural design allows smooth operation even during high-frequency pipetting, improving overall efficiency.
- **More consistent:**
  The front stop design ensures one-step sealing for all channels, resulting in more consistent volumes across multi-channel pipetting.
- **More efficient:**
  When used with the Mi-Pette-LTS multichannel pipette, LTS tips enable fast loading and pipetting, ensuring more stable and repeatable results.
- **More intuitive:**
  Thin-wall tips provide a clear sealing position, allowing quick, damage-free loading for both the tips and the instrument.

Mi-Pette Tip system

High tip ejection force

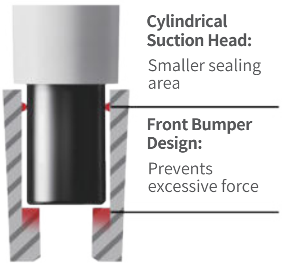


Larger sealing area:
The thickness of the suction tip wall will produce greater friction.

Conical handle:
Conical suction tip designed without a front stop point.

Mi-Pette-LTS Tip system

Low tip ejection force



Cylindrical Suction Head:
Smaller sealing area

Front Bumper Design:
Prevents excessive force

Mi-Pette

New Generation Colorful Fully Autoclavable Adjustable Pipette (Single-channel, 8-channel & 12-channel)

NEW

Features

- **Ergonomic Design:** Comfortable grip for easy liquid handling, reducing repetitive strain injuries (RSI) in the hands.
- **Color-Coded Identification:** The colored cap design provides a wide range of models, making it easy to distinguish between different volumes.
- **RFID Wireless Functionality:** Data chip reading function (customizable).
- **Density Adjustment Function:** Allows for more accurate pipetting when handling complex liquid samples through density adjustment.
- **Autoclavable:** Made from advanced materials, the pipette can be sterilized through high-temperature and high-pressure autoclaving, or UV sterilization, and is easy to disassemble for simple maintenance.
- **Replaceable labels:** Support personalized identification for easy pipette ownership management and quick recognition.
- **Rotatable push button cap design:** Effectively prevents accidental touches, avoiding unintended volume changes during operation.
- **Fine volume adjustment design:** A micro scale is provided after the displayed digits, with a pointer indicating the dispensing volume. Users can perform fine adjustments according to the pointer, achieving both coarse and fine tuning.

Single-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
0.1-2.5	0.002	2.5	±0.06	±2.5	±0.05	±2.0
		1.25	±0.06	±5.0	±0.05	±4.0
		0.25	±0.06	±25	±0.05	±20
0.5-10	0.01	10	±0.12	±1.2	±0.08	±0.8
		5	±0.12	±2.4	±0.08	±1.6
		1	±0.12	±12	±0.08	±8.0
2-20	0.02	20	±0.2	±1.0	±0.1	±0.5
		10	±0.2	±2.0	±0.1	±1.0
		2	±0.2	±10	±0.1	±5.0
5-50	0.05	50	±0.5	±1.0	±0.25	±0.5
		25	±0.5	±2.0	±0.25	±1.0
		5	±0.5	±10	±0.25	±5.0
10-100	0.1	100	±0.8	±0.8	±0.3	±0.3
		50	±0.8	±1.6	±0.3	±0.6
		10	±0.8	±8.0	±0.3	±3.0
20-200	0.2	200	±1.6	±0.8	0.6	±0.3
		100	±1.6	±1.6	0.6	±0.6
		20	±1.6	±8.0	0.6	±3.0
100-1000	1	1000	±8	±0.8	±3	±0.3
		500	±8	±1.6	±3	±0.6
		100	±8	±8.0	±3	±3.0
500-5000	5	5000	±40	±0.8	±15	±0.3
		2500	±40	±1.6	±15	±0.6
		500	±40	±8.0	±15	±3.0
1000-10000	10	10000	±60	±0.6	±30	±0.3
		5000	±60	±1.2	±30	±0.6
		1000	±60	±6.0	±30	±3.0

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
0.5-10	0.01	10	±0.24	±2.4	±0.16	±1.6
		5	±0.24	±4.8	±0.16	±3.2
		1	±0.24	±24	±0.16	±16
5-50	0.05	50	±1	±2.0	±0.4	±0.8
		25	±1	±4.0	±0.4	±1.6
		5	±1	±20	±0.4	±8.0
10-100	0.1	100	±1.6	±1.6	±0.6	±0.6
		50	±1.6	±3.2	±0.6	±1.2
		10	±1.6	±16	±0.6	±6.0
30-300	0.2	300	±4.8	±1.6	±1.8	±0.6
		150	±4.8	±3.2	±1.8	±1.2
		30	±4.8	±16	±1.8	±6.0

12-channel Adjustable Volume Pipettes

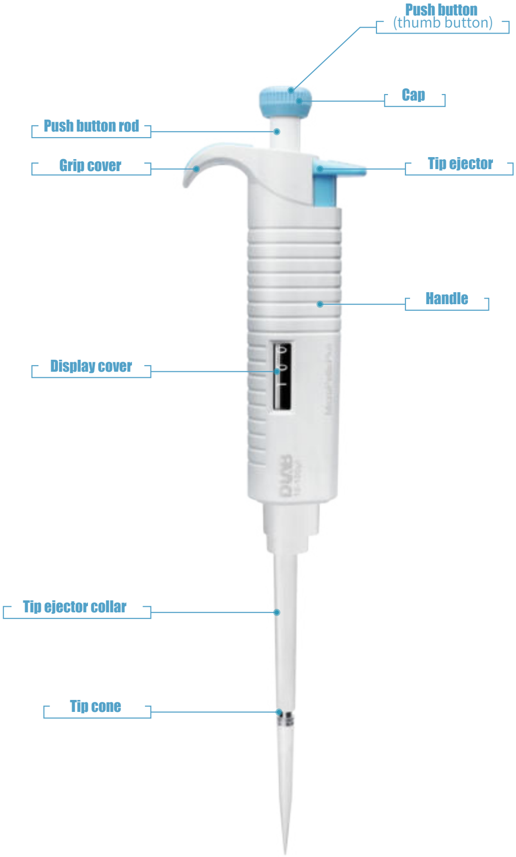
Volume Range	Increment	Test Volume	Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
0.5-10	0.01	10	±0.24	±2.4	±0.16	±1.6
		5	±0.24	±4.8	±0.16	±3.2
		1	±0.24	±24	±0.16	±16
5-50	0.05	50	±1	±2.0	±0.4	±0.8
		25	±1	±4.0	±0.4	±1.6
		5	±1	±20	±0.4	±8.0
10-100	0.1	100	±1.6	±1.6	±0.6	±0.6
		50	±1.6	±3.2	±0.6	±1.2
		10	±1.6	±16	±0.6	±6.0
30-300	0.2	300	±4.8	±1.6	±1.8	±0.6
		150	±4.8	±3.2	±1.8	±1.2
		30	±4.8	±16	±1.8	±6.0

MicroPette Plus

Fully Autoclavable Mechanical Pipette

The MicroPette Plus pipette is fully autoclavable, being able to withstand temperatures of 121°C and pressure of 1ATM, and does not need to be pre-treated prior. Following the autoclave cycle, a 12 hour cooling and drying period ensures that the high performance of the MicroPette Plus is retained. It is recommended the piston and rubber seals be greased after every 10 cycles of autoclaving.

121°C
FULLY
Autoclavable


Push button
(thumb button)
Cap
Push button rod
Grip cover
Tip ejector
Handle
Display cover
Tip ejector collar
Tip cone

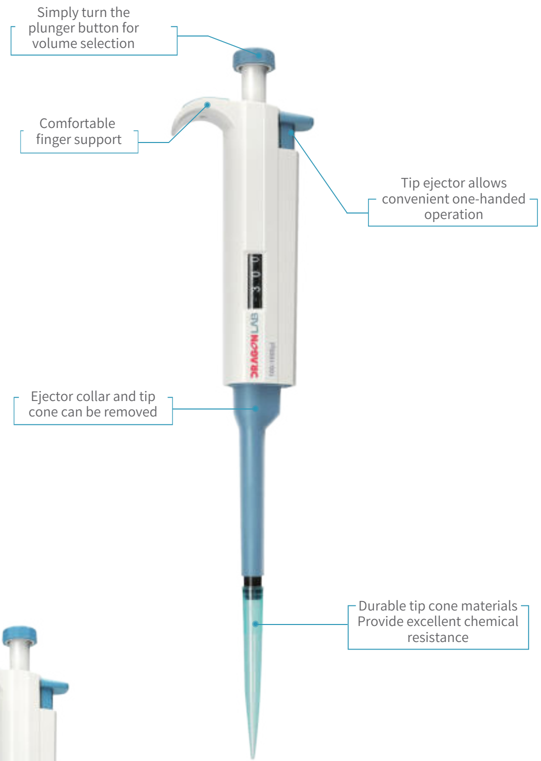
Features

- Available as Fixed Volume and Adjustable Volume formats
- Streamlined shape design
- Comprehensive volume range from 0.1μL to 20mL
- Easy calibration and maintenance
- 8 and 12 channel pipette options
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly
- Spring loaded tip cones for easy cleaning and maintenance
- Compound material-made tip cone secures high sealing performance

TopPette

Mechanical Pipettes

- Light weight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettes cover volume range of 0.1µL to 20mL
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate
- The lower section can be autoclaved


Simply turn the plunger button for volume selection
Comfortable finger support
Tip ejector allows convenient one-handed operation
Ejector collar and tip cone can be removed
Durable tip cone materials Provide excellent chemical resistance

Pipette with switch

DLAB Pipettes can be stopped with an on/off switch and cable. This can be used with coagulation analyzers or any other instruments that require precise timing.

TopPette multi-channel Features

- 8 and 12 channel pipettes are available for standard 96-well plates
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification

12 channels

8 channels

Pipette Stands

Linear Stand Cat. No.7030000085

Compatible with TopPette, MicroPette Plus, and HiPette pipette series.
The stand can stably and conveniently hold up to 8 single-channel or multi-channel pipettes simultaneously, and up to 10 pipettes for the HiPette series.

Round Stand Cat. No.7030000084

Compatible with MicroPette Plus pipette series.
The freely rotatable circular stand can securely hold up to 6 single-channel or multi-channel pipettes.

Mechanical Pipette Volume Selection

Specifications

TopPette/ MicroPette Plus Mechanical Pipettes (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
0.1-2.5	0.05	2.5	±0.0625	±2.50	±0.05	±2.00
		1.25	±0.0375	±3.00	±0.0375	±3.00
		0.25	±0.03	±12.00	±0.015	±6.00
0.5-10	0.1	10	±0.1	±1.00	±0.08	±0.80
		5	±0.075	±1.50	±0.075	±1.50
		1	±0.025	±2.50	±0.015	±1.50
2-20	0.5	20	±0.18	±0.90	±0.08	±0.40
		10	±0.12	±1.20	±0.1	±1.00
		2	±0.06	±3.00	±0.04	±2.00
5-50	0.5	50	±0.3	±0.60	±0.15	±0.30
		25	±0.225	±0.90	±0.15	±0.60
		5	±0.1	±2.00	±0.1	±2.00
10-100	1	100	±0.8	±0.80	±0.15	±0.15
		50	±0.5	±1.00	±0.2	±0.40
		10	±0.3	±3.00	±0.15	±1.50
20-200	1	200	±1.2	±0.60	±0.3	±0.15
		100	±0.8	±0.80	±0.3	±0.30
		20	±0.6	±3.00	±0.2	±1.00
50-200	1	200	±1.2	±0.60	±0.3	±0.15
		100	±0.8	±0.80	±0.3	±0.30
		50	±0.5	±1.00	±0.2	±0.40
100-1000	5	1000	±6	±0.60	±2	±0.20
		500	±3.5	±0.70	±1.25	±0.25
		100	±2	±2.00	±0.7	±0.70
200-1000	5	1000	±6	±0.60	±2	±0.20
		500	±3.5	±0.70	±1.25	±0.25
		200	±1.8	±0.90	±0.6	±0.30
500-5000	50	5000	±25	±0.50	±7.5	±0.15
		2500	±15	±0.60	±7.5	±0.30
		500	±3.5	±0.70	±1.5	±0.30
1000-5000	50	5000	±25	±0.50	±7.5	±0.15
		2500	±15	±0.60	±7.5	±0.30
		1000	±7	±0.70	±3	±0.30
1000-10000	100	10000	±60	±0.60	±20	±0.20
		5000	±60	±1.20	±15	±0.30
		1000	±30	±3.00	±6	±0.60
2000-10000 Do not apply to MicroPette plus	100	10000	±60	±0.60	±20	±0.20
		5000	±60	±1.20	±15	±0.30
		2000	±60	±3.00	±12	±0.60
*2000-20000 Coming soon	100	2000	±120	±6.00	±60	±3.00
		10000	±120	±1.20	±60	±0.60
		20000	±120	±0.60	±60	±0.30

User calibration should refer to the industrial standard ISO8655-2.

Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	–	μL	μL	%	μL	%
5	–	5	±0.065	±1.3	±0.06	±1.2
10	–	10	±0.08	±0.8	±0.08	±0.8
20	–	20	±0.12	±0.6	±0.1	±0.5
25	–	25	±0.125	±0.5	±0.075	±0.3
50	–	50	±0.25	±0.5	±0.15	±0.3
100	–	100	±0.5	±0.5	±0.3	±0.3
200	–	200	±0.8	±0.4	±0.4	±0.2
250	–	250	±1.0	±0.4	±0.5	±0.2
500	–	500	±1.5	±0.3	±1.0	±0.2
1000	–	1000	±3.0	±0.3	±2.0	±0.2
2000	–	2000	±6.0	±0.3	±3.0	±0.15
5000	–	5000	±15	±0.3	±7.5	±0.15

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
0.5-10	0.1	10	±0.15	±1.50	±0.15	±1.50
		5	±0.125	±2.50	±0.125	±2.50
		1	±0.04	±4.00	±0.04	±4.00
5-50	0.5	50	±0.5	±1.00	±0.25	±0.50
		25	±0.375	±1.50	±0.25	±1.00
		5	±0.15	±3.00	±0.1	±2.00
10-100	1	100	±0.8	±0.80	±0.3	±0.30
		50	±0.5	±1.00	±0.4	±0.80
		10	±0.3	±3.00	±0.2	±2.00
20-200*	0.1	200	±1.4	±0.70	±0.5	±0.25
		100	±1.0	±1.00	±0.5	±0.50
		20	±0.6	±3.00	±0.32	±1.60
30-300*	0.2	300	±2.1	±0.70	±0.75	±0.25
		150	±1.5	±1.00	±0.75	±0.5
		30	±0.9	±3.00	±0.48	±1.60
50-300	5	300	±2.1	±0.70	±0.75	±0.25
		150	±1.5	±1.00	±0.75	±0.50
		50	±0.75	±1.50	±0.4	±0.80
100-1000	10	1000	±10	±1.00	±3	±0.30
		500	±10	±2.00	±2.5	±0.50
		100	±5	±5.00	±1	±1.00

12-channel Adjustable Volume Pipettes

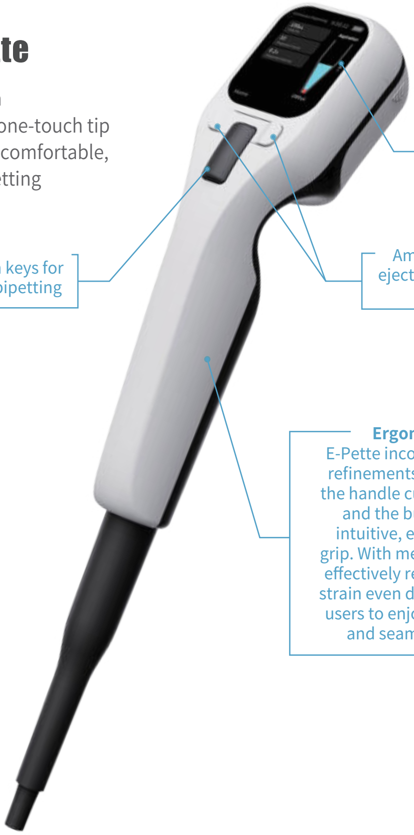
Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
0.5-10	0.1	10	±0.15	±1.50	±0.15	±1.50
		5	±0.125	±2.50	±0.125	±2.50
		1	±0.04	±4.00	±0.04	±4.00
5-50	0.5	50	±0.5	±1.00	±0.25	±0.50
		25	±0.375	±1.50	±0.25	±1.00
		5	±0.15	±3.00	±0.1	±2.00
10-100	0.1	200	±1.4	±0.70	±0.5	±0.30
		100	±1.0	±1.00	±0.5	±0.80
		20	±0.6	±3.00	±0.32	±2.00
20-200*	0.2	300	±2.1	±0.70	±0.75	±0.25
		150	±1.5	±1.00	±0.75	±0.50
		30	±0.9	±3.00	±0.48	±1.60
30-300*	1	100	±0.8	±0.80	±0.3	±0.30
		50	±0.5	±1.00	±0.4	±0.80
		10	±0.3	±3.00	±0.2	±2.00
50-300	5	300	±2.1	±0.70	±0.75	±0.25
		150	±1.5	±1.00	±0.75	±0.50
		50	±0.75	±1.50	±0.4	±0.80

* DLAB specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655

E-Pette

Electronic Pipette

With smart touch control, a high-precision motor, and one-touch tip ejection, E-Pette delivers a comfortable, effortless, and reliable pipetting experience.



2.1-inch OLED HD touchscreen with a clear, intuitive interface for easier operation

Light-touch keys for effortless pipetting

Ambidextrous auto tip-eject key: eject tips with a light press, reducing repetitive strain injuries.

NEW

Ergonomic Comfort Design

E-Pette incorporates multiple ergonomic refinements in its exterior and structure: the handle curve fits naturally in the palm, and the button layout is smooth and intuitive, ensuring a relaxed, effortless grip. With meticulous attention to detail, it effectively reduces hand fatigue and joint strain even during prolonged use, allowing users to enjoy a consistently comfortable and seamless pipetting experience.

Features

- **HD Touchscreen:** 2.1-inch OLED display with an intuitive, app-like interface for easy operation.
- **One-Touch Tip Ejection:** Reduces hand strain and enhances comfort and efficiency.
- **High-Precision Motor:** Minimizes user error and ensures accurate, consistent pipetting.
- **Smart Management:** Upgraded intelligent functions with data traceability for more reliable results.
- **Worry-Free Calibration:** Built-in periodic calibration reminders and programs ensure long-term accuracy.
- **Comprehensive Functions:** Supports pipetting, dispensing, auto-dispensing, manual pipetting, pipetting + mixing, multi-dispensing, custom dispensing, dilution, and titration—meeting diverse experimental needs with flexibility.

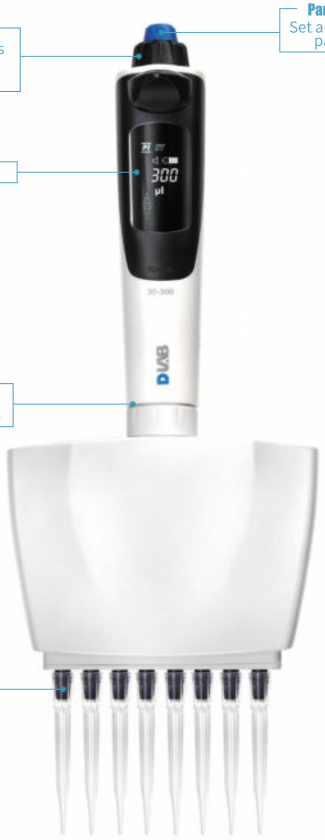
Specifications

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
0.5–10	0.01	10	±0.1	±1.0	±0.04	±0.4
		5	±0.075	±1.5	±0.04	±0.8
		1	±0.025	±2.5	±0.018	±1.8
1–20	0.02	20	±0.2	±1.0	±0.06	±0.3
		10	±0.12	±1.2	±0.06	±0.6
		2	±0.1	±5.0	±0.03	±1.5
5–100	0.1	100	±0.8	±0.8	±0.2	±0.2
		50	±0.5	±1.0	±0.15	±0.3
		10	±0.2	±2.0	±0.1	±1.0
10–200	0.2	200	±1.2	±0.6	±0.4	±0.2
		100	±1.0	±1.0	±0.3	±0.3
		20	±0.5	±2.5	±0.14	±0.7
15–300	0.2	300	±1.8	±0.6	±0.6	±0.2
		150	±1.5	±1.0	±0.45	±0.3
		30	±0.75	±2.5	±0.21	±0.7
50–1,000	1	1,000	±6	±0.6	±2	±0.2
		500	±5	±1.0	±1	±0.2
		100	±3	±3.0	±0.6	±0.6
200-5000	5	5000	±30	±0.6	±7.5	±0.15
		2,500	±30	±1.2	±7.5	±0.3
		500	±15	±3.0	±3	±0.6
500-10000	10	10,000	±60	±0.6	±15	±0.15
		5,000	±40	±0.8	±10	±0.2
		1,000	±30	±3.0	±6	±0.6
1000-20000	10	2,0000	±60	±0.6	±15	±0.15
		10000	±40	±0.8	±10	±0.2
		2,000	±30	±3.0	±6	±0.6

dPette+

Multi-functional 8-channel Electronic Pipette

DLAB multi-functional high performance 8-channel electronic pipette offers productive pipetting with its easy to understand operations. Its uniquely lightweight streamlined design ensures an effortless transfer of multiple samples with an increased throughput and data reproducibility.



Parameter Knob
Set and confirm all parameters.

Function Wheel
Switch different functions pipetting, dispensing and mixing.

Motor Driven Digital Control

360° Rotation
Rotatable for convenient handling

Ingenious Curved Ejector
The tips fit optimally without any extra force

- **Easy Operation**

  Intuitive interface for setting functions and parameters.

- **Ergonomic Design**

  Low operation forces for complete work, which is exceptionally fatigue-free.

- **Convenient and Versatile**

  360° pipetting. Double knobs for simple and versatile control. Easy loading tip cones offers smooth and leak free operation.

- **Dual charging modes**

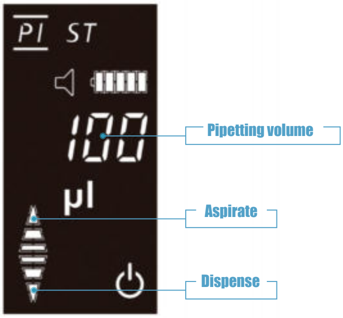
  Use of USB charger or the charging stand to ensure uninterrupted use.

Three easy steps to operate dPette+

1	2	3
Long press the Parameter Knob for 2 seconds to Start	Rotate the knob back and forth quickly to Switch Pipetting,Continuous Dispensing, and other Function Settings	Quickly turn the Parameter Knob to unlock it, turn it to adjust the parameter such as volume, press it to pipette, long press it to mix

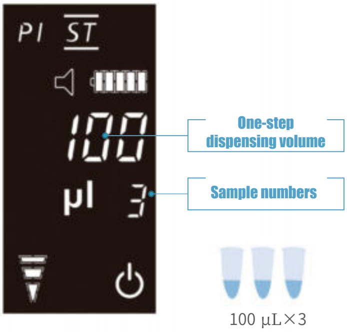
Pipetting function

Parameter Knob press → Pipetting,
Long press → Mixing


PI ST
100
µl
Pipetting volume
Aspirate
Dispense

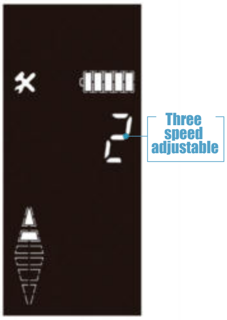
Stepper function

Maximum steps = Pipette nominal volume / One step dispensing volume


PI ST
100
µl 3
One-step dispensing volume
Sample numbers
100 µL×3

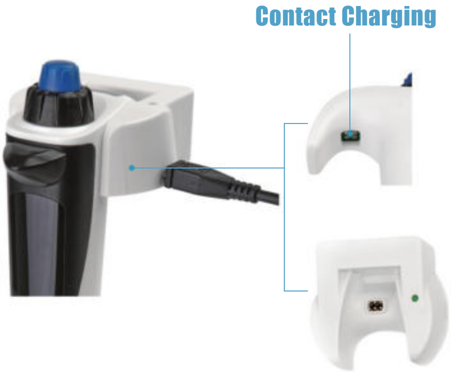
Other function

Pipetting speed adjustment
Key tone ON/OFF


2
Three speed adjustable

Supports dual charging mode

USB Charging


Contact Charging

Complimentary Pipette Holder

Support automatic Calibration

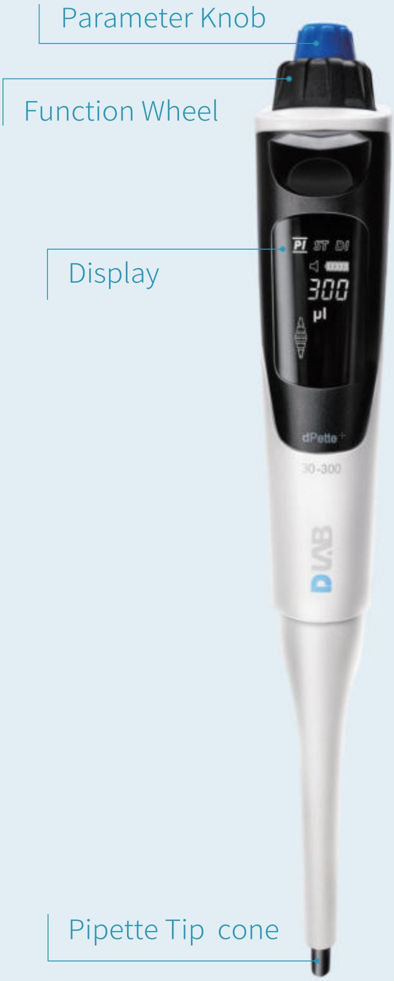
Connect it to the computer, with the free software provided for calibration

Specifications

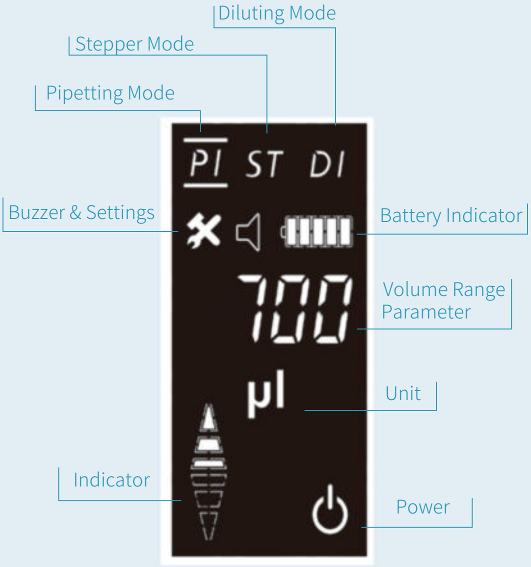
Channels	Volume Range	Increment	Test Volume	Systematic Error		Random Error	
	µL	µL	µL	µL	%	µL	%
8	0.5-10	0.01	10	±0.20	±2.00	±0.10	±1.00
			5	±0.20	±4.00	±0.10	±2.00
			1	±0.08	±8.00	±0.05	±5.00
8	10-100	0.1	100	±0.80	±0.80	±0.30	±0.30
			50	±0.50	±1.00	±0.40	±0.80
			10	±0.30	±3.00	±0.20	±2.00
8	20-200	1	200	±1.20	±0.60	±0.60	±0.30
			100	±1.00	±1.00	±0.50	±0.50
			20	±0.80	±4.00	±0.20	±1.00
8	15-300	1	300	±1.80	±0.60	±0.90	±0.30
			150	±1.50	±1.00	±0.75	±0.50
			15	±0.60	±4.00	±0.15	±1.00
8	30-300	1	300	±1.80	±0.60	±0.90	±0.30
			150	±1.50	±1.00	±0.75	±0.50
			30	±0.90	±3.00	±0.30	±1.00

* DLAB specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655.

dPette is an innovative Electronic Pipette developed by DLAB. It combines manual pipette features, as ergonomics and lightweight, with electronic pipette features, such as labor-saving and high accuracy, offering new pipetting experience to users.


Parameter Knob
Function Wheel
Display
PI ST DI
300
μl
dPette+
30-300
DLAB
Pipette Tip cone

ELECTRONIC PIPETTE


Diluting Mode
Stepper Mode
Pipetting Mode
PI ST DI
Buzzer & Settings
Battery Indicator
700
Volume Range Parameter
μl
Unit
Indicator
Power

dPette+

Multi functional Electronic Pipette

dPette

Simple Electronic Pipette

dPette+
For Pipetting, Mixing, Stepper and Dilution

dPette
For Pipetting and Mixing

Features

- Motor driven digitally control pipette with multifunctions
- Easy Operations and Handling
- Intuitive menu interface settings: functions and operations
- Minimal force for pipetting operation
- High performance ensuring accuracy & repeatability
- 2 buttons for all operational settings
- Adjustable speed for aspiration and dispensing
- Li-ion battery enable longer operation time
- Convenient and Versatile
- Self-calibration applicable

Specifications

Channels	Volume Range	Increment	Test Volume	Systematic Error		Random Error	
	μL	μL	μL	μL	%	μL	%
1	0.5-10	0.01	10	±0.10	±1.00	±0.05	±0.50
			5	±0.10	±2.00	±0.10	±2.00
			1	±0.05	±5.00	±0.03	±3.00
1	5-50	0.1	50	±0.40	±0.80	±0.15	±0.30
			25	±0.25	±1.00	±0.25	±1.00
			5	±0.20	±4.00	±0.125	±2.50
1	20-200	1	200	±1.20	±0.60	±0.40	±0.20
			100	±1.00	±1.00	±0.40	±0.40
			20	±0.80	±4.00	±0.20	±1.00
1	30-300	1	300	±1.80	±0.60	±0.60	±0.20
			100	±1.00	±1.00	±0.40	±0.40
			30	±0.90	±3.00	±0.21	±0.70
1	100-1000	5	1000	±6.00	±0.60	±2.00	±0.20
			500	±5.00	±1.00	±1.00	±0.20
			100	±2.00	±2.00	±0.60	±0.60

* DLAB specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655

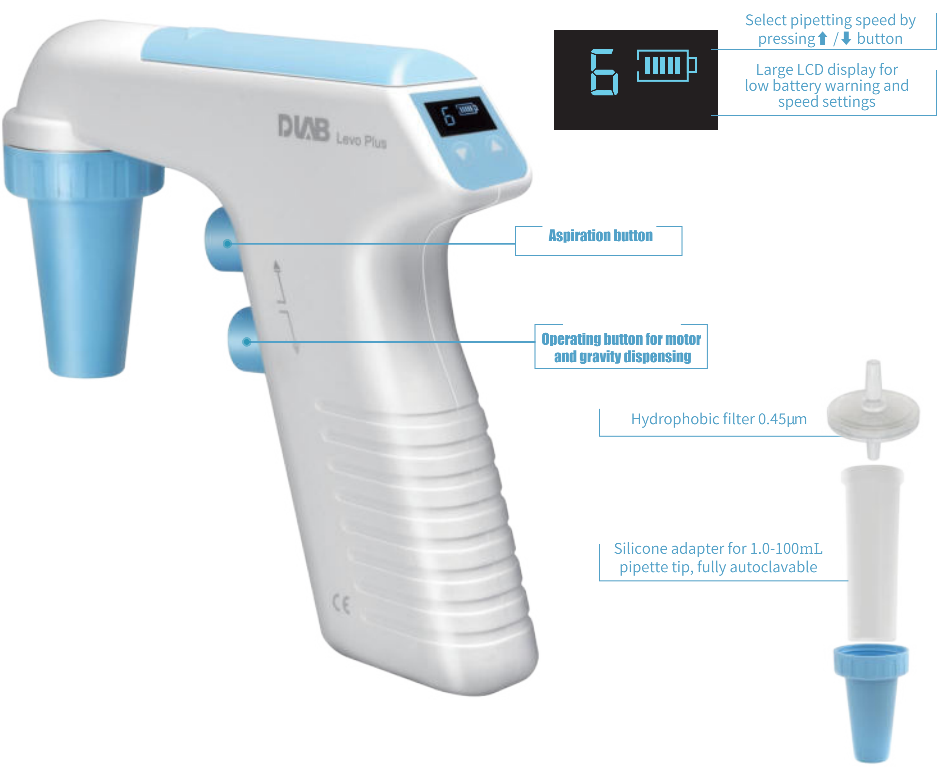
Levo Plus

Pipette Filler

Ergonomic fast pipetting solution with accurate speed control

Features

- Intuitive and convenient speed with 6 levels
- Lightweight pipette filler compatible with glass or plastic serological pipettes (0.1 -100mL)
- Ergonomic design for fatigue-free and effective streamlined pipetting
- LCD screen displays battery status and pipetting speed
- Quiet and powerful motor and pump fills 25mL pipette in less than 5 seconds
- Long-lasting lithium-ion battery


Select pipetting speed by pressing⬆ /⬇ button
Large LCD display for low battery warning and speed settings
Aspiration button
Operating button for motor and gravity dispensing
Hydrophobic filter 0.45μm
Silicone adapter for 1.0-100mL pipette tip, fully autoclavable
DLAB Levo Plus
6

Specifications

Aspiration Speed	25mL<5s (6 Level)
Dispensing Speed	Motor/Gravity
Battery	Replaceable lithium battery
Battery Service Life	More than 12 Hours of Intermittence Use
Charging Time	4-5 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45μm Hydrophobic
Weight	208g

Levo ME

Pipette Filler

Elegant design & reliable performance,
with long-life battery

DLAB
Levo ME

Features

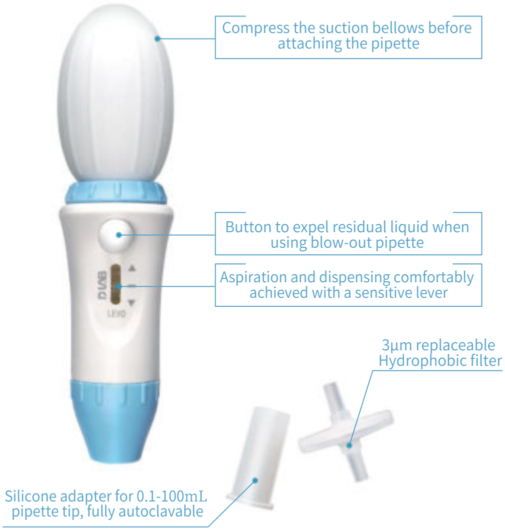
- Enables single-handed operation with minimum effort
- Speed adjustment simply with finger tips
- Individually set aspiration (upper button) and dispensing (lower button) speeds
- Compatible with glass or plastic serological pipettes(0.1-100mL)
- 0.45µm replaceable hydrophobic filter
- High capacity Li-ion battery enables long opperation time

Specifications

Aspiration Speed	25mL<7s
Dispensing Speed	Motor/Gravity
Battery	Lithium-ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	2-3 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45µm Hydrophobic
Weight	200g

Levo

Pipette Controller


Compress the suction bellows before attaching the pipette
Button to expel residual liquid when using blow-out pipette
Aspiration and dispensing comfortably achieved with a sensitive lever
3µm replaceable Hydrophobic filter
Silicone adapter for 0.1-100mL pipette tip, fully autoclavable
DLAB
LEVO

Features

- Reduce hands-on time .
- Can realize the midway refill .
- Drip by drip drainage, precise control .
- Add the last drop of liquid discharge button
- Compatible with glass or plastic serological pipettes (0.1 - 100mL).
- 3µm replaceable hydrophobic filter.
- Fast suction, can absorb 25mL liquid in 4 secs.
- Humanized functional design, 118g ultra-light texture.
- Simple and sensitive liquid level regulation.
- Five color designs: blue, green, red, yellow, North Carolina blue, easy to distinguish between different applications.

Levo pipetting is easy and effortless :

Manufacturing negative pressure:

Squeeze the ball to suck the liquid.

Inhale:

The filling rate can be adjusted continuously with the help of the operating rod.

Drainage:

Press the operating lever to drain the liquid. The unique valve system ensures that the accuracy of the instrument is not affected by the drainage speed.

Blowout function:

When it is necessary to blow out the liquid, when the concave surface reaches the nozzle, press the blow out ball.

Mini TopPette

Pipette

NEW

5 µl
10 µl
50 µl
100 µl
200 µl
300 µl

Features

- **Dual Stop Design:** Enables precise aspiration and dispensing, meeting diverse experimental needs.
- **Accuracy Compliant with ISO 8655:** Ensures reliability and repeatability, enhancing the accuracy of experimental data.
- **Equipped with Tip Ejector:** Allows one-handed operation for easy tip disposal, improving lab efficiency.
- **Color-Coded Plunger Caps by Volume:** Offers intuitive identification of different volume specifications, reducing handling errors.
- **Compact and delicate:** About 13 cm in length, combining comfortable grip with efficient operation.

Specifications

Volume Range	Measured Volume	Systematic Error		Random Error	
	µL	µL	%	µL	%
5	5	±0.125	±2.5	±0.075	±1.5
10	10	±0.12	±1.2	±0.08	±0.8
50	50	±0.5	±1.0	±0.25	±0.5
100	100	±0.8	±0.8	±0.3	±0.3
200	200	±1.6	±0.8	± 0.6	±0.3
300	300	±2.4	±0.8	±0.9	±0.3

* For user calibration, please refer to international standard ISO 8655-2.

Mini Pipette

Standard style

Mini Pipette is specially customized for fast pipetting with fixed volume and it is the first choice for IVD assay kit accessory. Ultra-light body, precise pipetting, smooth aspiration and dispensing bring an easier pipetting experience to customers.

- Ergonomic design, compact body, with easy operation;
- Easy to press, consistent with standard manual pipettes in operating habits;
- Multiple optional volume from 10 to 300ul, marked with different colors;
- Compatible with the standard 200ul/300ul tips;
- Accurate pipetting and reliable quality;
- Support customization；

New style

Color	Light Green	Grey	Dark Green	Yellow	Orange	Gray	Red	Blue	Grayish green	Other
Mini Pipette	10μL	20μL	25μL	30μL	50μL	60μL	75μL	100μL	200μL	OEM
Color	Dark Green	Orange	Red	Light Blue	Blue	Gray	Purple	Other	—	—
New Mini Pipette	25	50	75	80	100	200	300	OEM	—	—

Levo E

Pipette Pump

Designed for single-handed operation, Pipette Pump identifies itself with a thumbwheel, allowing precise aspiration or dispensing. The feature of side lever enables complete liquid dispensing, without a droplet remaining.

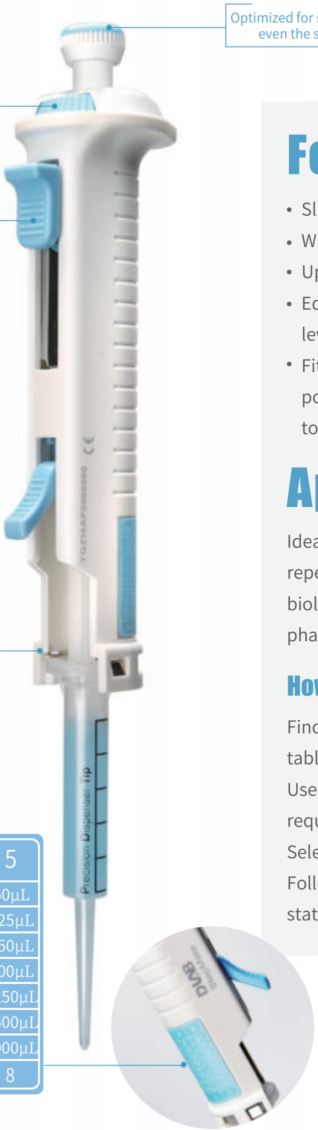
Features

- Volume capacity 2mL, 5mL,10mL and 25mL
- Colour-coded by volume with Blue, yellow, green and red
- Thumb wheel guarantees precise operation
- Resistant to acids and alkalis
- Easy for cleaning and maintenance

StepMate

Stepper

Positive-displacement, continuously adjustable, repetitive dispenser


Optimized for smooth dispensing of even the smallest volumes
Volume selection dial
Slide upwards to fill the dispenser tip
Stop lever to secure the dispenser tip

Features

- Slim, light and robust
- Wide dispensing volume from 10μL to 5mL
- Up to 48 dispensing steps in succession
- Equipped with durable dispenser tip stop lever
- Fits different sizes of disposable polypropylene dispenser tips from 0.5mL to 50mL

Applications

Ideal for any application requiring repetitive dispensing in the clinical, biological, chemical, food and beverage, pharmaceutical industry.

How to select dispensing volume

Find the required dispensing volume in the table.

Use the volume selection dial to set the required volume.

Select and insert a suitable dispenser tip.

Follow the maximum dispensing steps as stated.

Dispenser tip Nominal Volume

Dispensing Volume per Step

Sel. Tips	1	2	3	4	5
0.5mL	10μL	20μL	30μL	40μL	50μL
1.25mL	25μL	50μL	75μL	100μL	125μL
2.50mL	50μL	100μL	150μL	200μL	250μL
5.00mL	100μL	200μL	300μL	400μL	500μL
12.50mL	250μL	500μL	750μL	1000μL	1250μL
25.00mL	500μL	1000μL	1500μL	2000μL	2500μL
50.00mL	1000μL	2000μL	3000μL	4000μL	5000μL
Steps	48	23	15	11	8

Precision Dispenser Tip

Precision Dispenser Tip

DLAB dispenser tips are convenient for viscous or foaming solutions, volatile liquids and applications where repetitive dispensing of volumes in long series is required

The dispenser tips are made from high quality materials without soft lubricants or other additives.

Specifications

Note: The first and last dispensing liquid should be discarded for precision.

Dial setting	1	2	3	4	5
Number of steps	48	23	15	11	8

Cat. No.	dispenser tip volume	Dispensing volume per step					Systematic Error	Random Error	Description
	mL	μL					%	%	
17900032	0.50	10	20	30	40	50	± 0.8	⩽ 0.7	0.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900033	1.25	25	50	75	100	125	± 0.8	⩽ 0.5	1.25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900034	2.50	50	100	150	200	250	± 0.8	⩽ 0.4	2.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900035	5.00	100	200	300	400	500	± 0.4	⩽ 0.3	5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900036	12.50	250	500	750	1000	1250	± 0.3	⩽ 0.3	12.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900037	25.00	500	1000	1500	2000	2500	± 0.2	⩽ 0.3	25mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter
17900038	50.00	1000	2000	3000	4000	5000	± 0.2	⩽ 0.2	50mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter

dTrite-Pro

Electronic Titration

DLAB
dTrite-Pro
50
ml
DLAB

Electronic titration is a new product in the field of titration, which is easier, more comfortable, faster and more accurate than traditional buret. Applied to all experiments of acid-base neutralisation titration, redox titration, precipitation titration, complexation titration, the product is widely used in the food industry, pharmaceutical and chemical industry, food and drug safety testing, petrochemicals, environmental testing, metals and plating, surfactants, and third-party testing laboratories, etc. The data can be traced.

NEW

Features

- The whole process of titration is electronically driven controlled, it is more accurate, stable, efficient and free from human influence than ordinary digital titrators, which greatly improves the detection ability, is more standardised laboratory operation and data traceability.
- The titration combines accuracy, time saving and user-friendliness in 25mL and 50mL sizes, enabling operation from 10μl to 50.00mL with up to two decimal places resolution.
- The user-friendly intelligent control panel is clear and easy to operate.
- The touch screen display makes it easy to perform titration experiments, or remote titration can be performed using the dedicated operating handle.
- Clear and brown windows are standard, the brown window can be used for photosensitive media (e.g. iodine, potassium permanganate and silver nitrate solutions).
- Drying tubes are supplied as standard, for moisture and CO2 sensitive media it is necessary to use drying tubes with a suitable absorbent (not included in the scope of delivery).
- 0-90 degree rotation of the built-in valve, with rapid exhaust and return reagent, safety and security features.
- Free software is available for upstream control.
- It can realise three liquid discharge modes: single drop, fixed volume liquid discharge and manual liquid discharge.
- It can realise two suction modes: manual suction and fixed volume suction.

Comprehensive accessories tailored for your convenience

Reagent Bottle Base Holder

Part No.	Function
17001682	Increase the friction between the bottle base and the workbench to prevent the titrator from sliding or tipping over during use.

Refill Support Base

Part No.	Function
17001681	Secure the long inlet tube while connecting the titrator to the funnel base.

Liquid Refill Funnel

Part No.	Function
17001680	Allows easy refilling of the reagent bottle without disassembling the titrator.

Liquid Refill Base

Part No.	Function
17001679	The titrator can be placed separately on the workbench.

Refill Funnel

Part No.	Function
17900433	Refill solution into the reagent bottle

pH meter

Part No.	Function
17900519	Assist in titration end-point determination

Bluetooth printer (thermal)

Part No.	Function
17900518	Print titration results

Color sensor

Part No.	Function
17900541	Assist in titration end-point determination

Can be refilled at any time

Convenient replacement of standard reagents

PC software provided free of charge

Specification

	10mL	**25**mL	**50**mL
Volume Range	0.010mL ~99.999mL , maximum volume per aspiration: 10mL, minimum: 10μL	0.020mL~99.999mL, maximum volume per aspiration: 25mL, minimum: 20μL	0.020mL~99.999mL, maximum volume per aspiration: 50mL, minimum: 20μL
Suction And Discharge Speed Range	10 levels,0.5mL/s-5mL/s	10 levels,0.5mL/s-5mL/s	10 levels,1mL/s-10mL/s
Stirring speed	5 Levels		
Operating Temperature Range	10-30°C		
Quality Standard	ISO8655		
Bluetooth Function	Yes		
WiFi Function	Yes		
Control Type	Remote support, including stirrers and titration programmes		
Battery capacity. 3500mAh	3500mAh		
Memory	1000 experimental records		
Screen	4.3-inch TFT color display, 800×480 resolution		

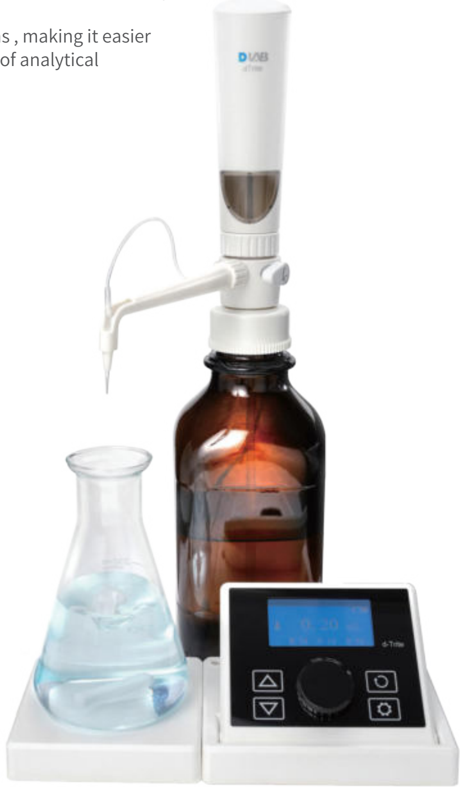
Working Accuracy

Volume mL	**Subvolume**	**systematic error R**		**variation coefficient CV**	
	mL	%	μL	%	μL
10mL	10	0.2	20	0.07	7
	5	0.4	20	0.14	7
	1	2.0	20	0.7	7
25mL	25	0.2	50	0.07	17.5
	12.5	0.4	50	0.14	17.5
	2.5	2.0	50	0.7	17.5
50mL	50	0.2	100	0.05	25
	25	0.4	100	0.10	25
	5	2.0	100	0.5	25

dTrite

Electronic Burette

Digital Burette - dTrite provides accurate, precise and convenient bottle-top titration with optimum operator safety.
It combines both magnetic stirrer and Burette functions , making it easier for the user to achieve reproducible results in the field of analytical chemistry, food industry, water analysis etc.



Features

- High quality motor with excellent precision and accuracy
- Electronic control provides fatigue-free operation
- Remote control panel prevents manual disturbance during operation
- Built-in magnetic stirrer for a complete and easy operation
- Large LCD display parameters

Specifications

Volume Range	0.01mL-99.99mL, Max piston lift is 10mL, resolution is 10µL
Volume Accuracy	10mL: R=0.2%, CV=0.07%
	5mL: R=0.2%, CV=0.1%
	1mL: R=1%, CV=0.5%
Speed	16 Levels
Operating Temperature Range	15°C-40°C
Quality Control	ISO 8655
Control Type	External control, including the stirrer and the burette program

* Notice: R：Relative error；CV：coefficient of variation.

dFlow-Pro

Electronic Bottle-Top Dispenser

Efficient & Smart · Precise Dispensing · Flexible & Versatile

This electronic bottle-top dispenser integrates multifunctionality, high precision, and intelligent operation. It supports multiple dispensing modes with flexible operation and easy maintenance. It can serve as a compact, high-precision filling device for various liquid dispensing and sample handling tasks, widely applied in scientific research and light industrial fields. Equipped with a touchscreen control system, consumable-free design, and a range of accessories, it meets laboratories' high standards for efficiency, safety, and diversified liquid handling.

NEW

Features

- **High-precision dispensing:** Ensures excellent repeatability and accuracy, suitable for applications requiring strict liquid volume control.
- **Smart touchscreen operation:** Clear touchscreen interface for convenient and intuitive operation, improving work efficiency.
- **Consumable-free design:** No need for consumable replacement, offering long-term cost savings and environmental benefits.
- **Low maintenance cost:** Simple structure with maintenance-free design reduces daily workload.
- **Expandable for industrial use:** Can be easily adapted to connect with automation systems for small-scale production line liquid dispensing tasks.
- **Drying tube configuration:** Standard drying tube for reagents sensitive to moisture and CO_2 (users can add compatible absorbents).
- **Built-in rotary valve:** 0–90° rotation design with quick venting and reagent recirculation functions, enhancing operational safety.
- **Optional windows:** Standard transparent and amber windows; amber is suitable for light-sensitive liquids (e.g., iodine solution, potassium permanganate, silver nitrate).
- **Touchscreen control:** Intuitive and convenient interface for setting dispensing programs, improving workflow efficiency.
- **Efficient liquid handling:** Adjustable aspiration/dispense speed with 10-level control to accommodate different viscosities and workflows.
- **Multiple dispensing modes:** Supports manual dispensing, automatic dispensing, automatic multi-step dispensing, manual free dispensing, custom dispensing, and titration functions—one device, multiple applications.

Dispensing Modes

Manual fixed-volume dispensing: Set volume (mL); manually control aspiration and dispensing.

Automatic fixed-volume dispensing: Set dispensing interval, volume, and repetitions; manually trigger the first dispense, then the program continues dispensing according to the set interval.

Automatic multi-step dispensing: Set dispensing volumes for different steps (step1, step2…step10, up to 10 steps, with total volume not exceeding piston capacity), plus interval time; manually trigger the first dispense, then the program runs according to the set intervals.

Manual free dispensing: Manually control aspiration and dispensing volumes.

Custom dispensing: Define steps (step1, step2, step3…stepN), intervals, volumes, aspiration, and dispensing; save as a program for future use.

Titration: Perform manual or continuous titration until stopped; display titration volume (e.g., volumetric flask preparation, pH adjustment).

Specifications

	10mL	**25**mL	**50**mL
Working range	0.01 mL – 10 mL, max transfer volume 25 mL, min 10 µL	0.02 mL – 25 mL, max transfer volume 25 mL, min 20 µL	0.02 mL – 50 mL, max transfer volume 50 mL, min 20 µL
Operating temperature range	10-30°C	10-30°C	10-30°C
Quality standard	ISO 8655	ISO 8655	ISO 8655
Bluetooth function	Yes	Yes	Yes
WiFi function	Yes	Yes	Yes
Battery capacity	3500mAh	3500mAh	3500mAh
Display	1000 experimentrecords	1000 experimentrecords	1000 experimentrecords
Display	4.3-inch TFT color screen, 800×480 resolution	4.3-inch TFT color screen, 800×480 resolution	4.3-inch TFT color screen, 800×480 resolution
PC interface	Type-C and WiFi	Type-C and WiFi	Type-C and WiFi
Weight	1.2kg	1.2kg	1.2kg

Working accuracy

Volume mL	**Measured volume**	**Systematic error**		**Random error**	
	mL	µL	%	µL	%
0.01-10mL	10mL	±50	±0.5	±30	±0.3
	5mL	±50	±1.0	±30	±0.6
	1mL	±50	±5.0	±30	±3.0
0.02-25mL	25mL	±125	±0.5	±62.5	±0.25
	12.5mL	±125	±1.0	±62.5	±0.5
	2.5mL	±125	±5.0	±62.5	±2.5
0.02-50mL	50mL	±250	±0.5	±125	±0.25
	25mL	±250	±1.0	±125	±0.5
	5mL	±250	±5.0	±125	±2.5

* Dispensing accuracy complies with ISO 8655-5

dFlow

Electronic Bottle-Top Dispenser

Error-free, easy to use, motorized solution

DLAB
dFlow
0.20
dFlow

Features

- Motor controlled digital,fatigue free operation
- High quality stepper motor provides smooth and accurate dispensing
- Adjustable aspiration and dispensing speed
- Reagent recovery feature minimizes waste
- TFT display module for simple volume selection and control
- Two operation modes:continuous dispenser or stepper

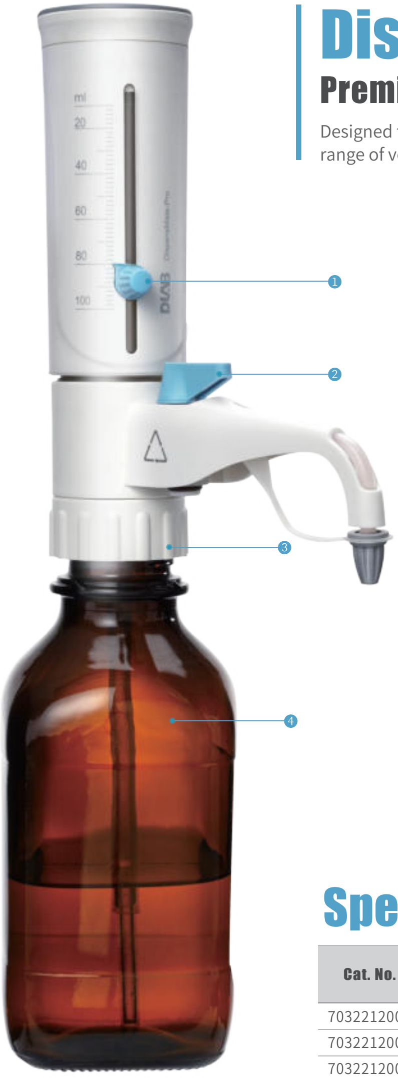
Applications

Ideal for safe, accurate and precise dispensing of bases, saline solutions, acids and some organic solvents.

Specifications

Volume Range	0.1-99.9mL, Max piston lift is 10mL, resolution is 100μL
Volume Accuracy	10mL: R=0.5%, CV=0.3%
	5mL: R=1.0%, CV=0.6%
	1mL: R=5.0%, CV=3.0%
Speed	16 Levels
Operating Temperature Range	15℃-40℃
Quality Control	ISO 8655
Control Type	External control

* Notice: R：Relative error；CV：coefficient of variation.



DispensMate-Pro

Premium Bottle-Top Dispenser

Designed for safe, sturdy & stable dispensing directly from the bottle in the range of volumes up to 100 mL

① Fast, precise, and reproducible volume locking mechanism on a clear scale

② Reagent recovery function reduces reagent waste and prevents dripping when not in use

③ 6 adapters to comfortably fit most laboratory reagent bottles

④ Adjustable aspirating tube for different bottle heights

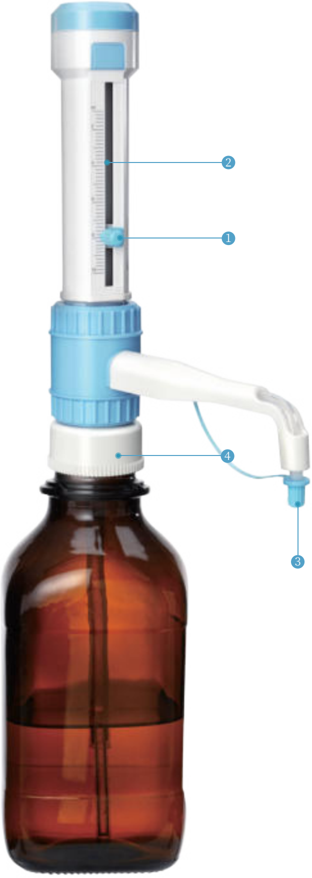
Features

- High chemical compatibility with use of inert materials and glass/PTFE piston
- Easy to disassemble and clean for periodic maintenance
- Fully autoclavable at 121°C to ensure sterility
- Available in 5 dispensing volume ranges from 0.5mL to 100mL
- Supplied with most popular adapters (S40, GL32, GL38, GL25, GL28)

Specifications

Cat. No.	**Volume Range**	**Graduation**	**Systematic Error**		**Random Error**	
	mL	mL	μL	%	μL	%
7032212001	0.5-5	0.1	±25	±0.5	±10	±0.2
7032212002	1.0-10	0.2	±50	±0.5	±20	±0.2
7032212003	2.5-25	0.5	±125	±0.5	±50	±0.2
7032111004	5.0-50	1.0	±250	±0.5	±100	±0.2
7032111005	10-100	2.0	±500	±0.5	±200	±0.2

Cat. No.	17000817	17400132	17400133	17400134	17400135	17400037	17900158	17000802	17100735	17900236	17900237
Accessories	GL32, Adapter, 45/32mm	GL38, Adapter, 45/38mm	GL25, Adapter, 32/25mm	GL28, Adapter, 32/28mm	S40, Adapter, 45/40mm	Reagent Bottle (Brown, 1L)	Filling tube combination	Discharge tube(m)（adapter 25mL、50mL、100mL）	Discharge tube(m)（adapter 5mL、10mL）	Discharge tube combination（adapter 25mL、50mL、100mL）	Discharge tube combination（adapter 5mL、10mL）



DispensMate

Bottle-Top Dispenser

For safer and more efficient way to handle chemicals

Features

- Excellent chemical resistance, Inert and high strength components made of PTFE, FEP, BSG, PP
- Fully autoclavable at 121°C (only liquid accessible parts)
- Available in 4 dispensing volume ranges from 0.5mL to 50mL
- Easy to disassemble and clean for periodic maintenance
- Supplied with most popular adapters (S40, GL32, GL38, GL25, GL28)

Applications

DLAB bottle-top dispensers offer high precision and accuracy with ISO 8655 conformed calibration for use in areas such as pharmacology, biotechnology, healthcare, food and beverage, chemistry, environmental monitoring and academy&research.

❶ Easy-to-use volume adjustment
❷ Smooth piston design provides effortless dispensing experience
❸ Easy-to-use closure cap protects user from exposure to reagent
❹ Adapters to comfortably fit most laboratory reagent bottles

Specifications

Cat. No.	Volume Range	Graduation	Systematic Error		Random Error	
	mL	mL	µL	%	µL	%
7032100101	0.5-5	0.1	±25	±0.5	±10	±0.2
7032100102	1.0-10	0.2	±50	±0.5	±20	±0.2
7032100103	2.5-25	0.5	±125	±0.5	±50	±0.2
7032100106	2.5-30	0.5	±150	±0.5	±60	±0.2
7032200104	5.0-50	1.0	±250	±0.5	±100	±0.2
7032100107	5.0-60	1.0	±300	±0.5	±120	±0.2

Cat. No.	17400131	17400132	17400133	17400134	17400135	17400037	17400021	17100073	17100553	17100696	17100767
Accessories	GL32, Adapter, 45/32mm	GL38, Adapter, 45/38mm	GL25, Adapter, 32/25mm	GL28, Adapter, 32/28mm	S40, Adapter, 45/40mm	Reagent Bottle (Brown, 1L)	Filling tube (m)	Discharge tube(m)	GL45, adapter, 45mm	Discharge tube combination (adapter 25mL、50mL)	Discharge tube combination (adapter 5mL、10mL)

SafeVac

Vacuum-Controlled Aspiration System

Safe and efficient system for labs handling critical or biological liquid waste.

Features

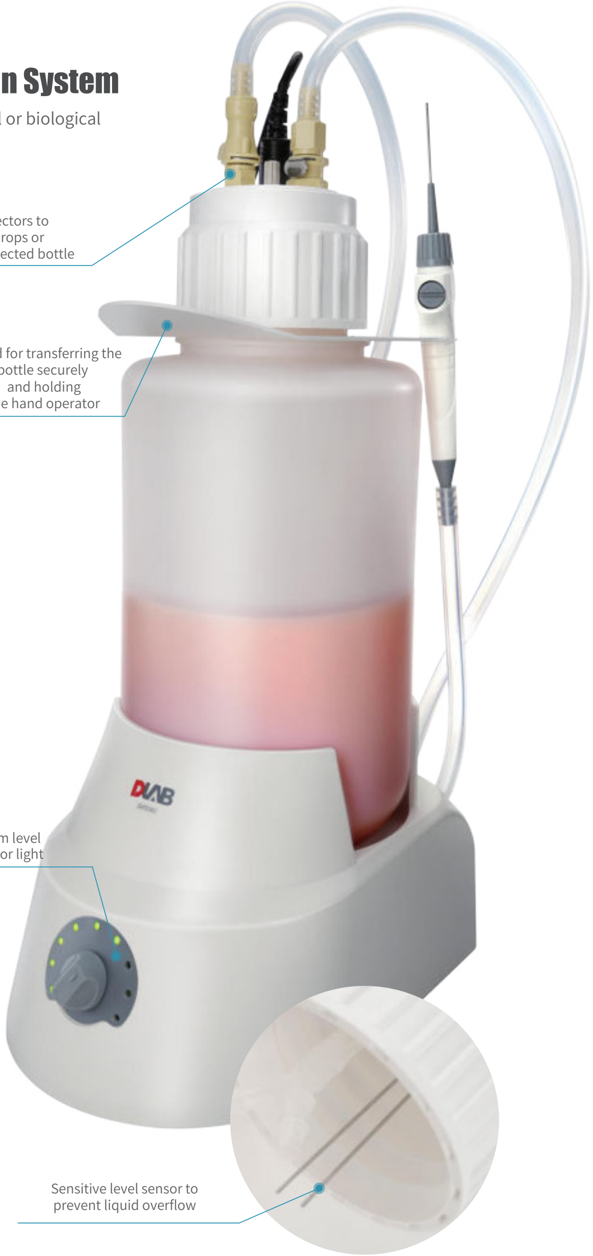
- Compact, user-friendly design
- Level detection system prevents bottle overfill
- Control knob for vacuum setting
- The parts in contact with liquids are autoclavable
- Easy to disassemble and clean
- Ideal tool to avoid lab air contamination and protect personnel safety
- Adjustable vacuum level with indicator light is designed for various applications

Applications

For laboratory waste recovery and separation of liquid and solid.

It can be widely used in cell culture, DNA extraction, microplate waste removal, and any other liquid separation or recovery.

Best replacement for the common vacuum pump, for all kinds of waste liquid recovery, especially biological, chemical and radioactive liquids.

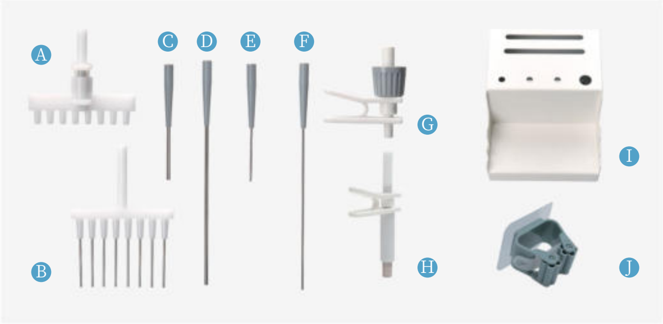

Self-closing connectors to avoid escape of drops or aerosols from disconnected bottle
Stand for transferring the bottle securely and holding the hand operator
vacuum level indicator light
Sensitive level sensor to prevent liquid overflow
DLAB

Specifications

Wide range of adapters to fit well with different tubes, microplate and disk plate, all of which can be fully autoclaved (At 121°C 1 bar for 20 minutes. After autoclaving the equipment must be cooled down before use).

Vacuum range	0-600mbar
Max. Flow	15L/min（air）
Max. aspiration speed	17mL/s (Liquid)
Bottle	4L
Autoclave component	Tube;waste bottle;operation handle;
Noise Level	⩽55dB
Input voltage	100-240VAC，50/60Hz
Dimension[WxDxH]	180x240x450mm
Weight	3kg

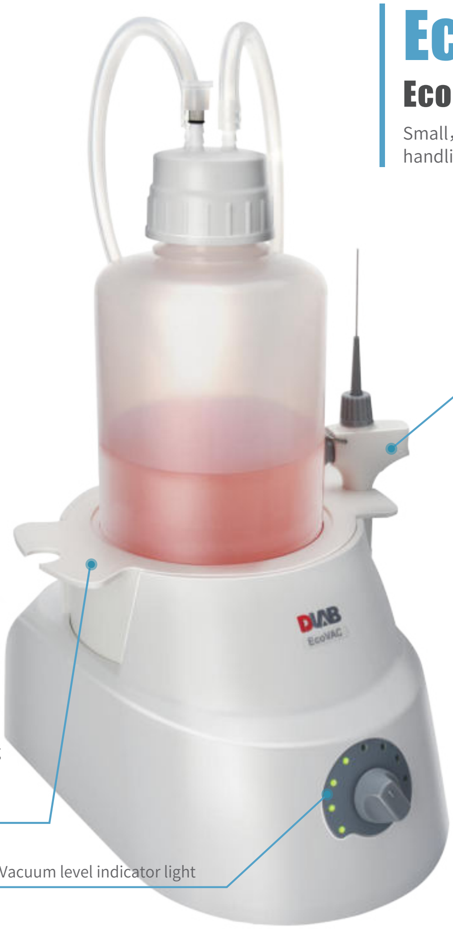
A	8-channel tip detrusion adapter 200μL tip
B	8 channel needle Ø1.5mm
C	Single needle Ø2.5mm, 40mm
D	Single needle Ø2.5mm, 120mm
E	Single needle Ø1.5mm, 40mm
F	Single needle Ø1.5mm, 120mm
G	tip detrusion adapter 200μL tip
H	tip detrusion adapter 1mL tip
I	SafeVac Handle bracket
J	Handle Hoop (Vacuum Aspirator)



EcoVac

Economical Vacuum Aspirator

Small，compact and easy to use system for the convenient handling of liquid waste disposal.



Easy to switch between manual aspiration and two-level adjustable continuous aspiration:
Level 1: Standard continuous aspiration mode.
Level 2: Fast continuous aspiration mode enhanced

Hanging handles on both sides

Vacuum level indicator light

Features

- Small and compact to fit in the cabinet, on the benchtop or even beneath the bench
- Easy to switch between manual aspiration and continuous aspiration mode, reducing RSI (Repetitive Strain Injury) and improving efficiency
- Collection bottle outlet with hydrophobic filter prevents aerosol and liquid contamination
- Brushless motor offers low noise and long life
- Different adapters are available to fit a multitude of laboratory supplies
- The parts in contact with liquids can be autoclaved
- Adjustable vacuum level with indicator light is designed for various applications

Specifications

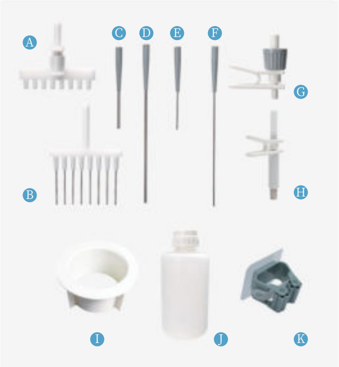
Vacuum range	0-500mbar
Max. Flow	15L/min(air)
Max. aspiration speed	17mL/s(Liquid)
Bottle	2L standard, 1L optional with adaptor
Motor type	Brushless Motor
Input voltage	100-220VAC, 50/60Hz
Dimension [W×D×H]	180×240×340 mm
Weight	2.8kg

Wide range of applications

EcoVac is suitable for any application where the single liquid suction volume is less than 2L.The applicability includes use of various common consumables,which can be widely used in the collection and removal of liquids in experiments of microorganisms,molecules,proteins,cells,etc.,and other applications such as RNA/DNA extraction,Western blots and ELISA.

- Aspiration of supernatants after centrifugation
- Aspiration of eluent
- Removal of supernatants during nucleic acid extraction
- Removal of culture media
- Removal of wash solutions from immuno-assay well-plate
- Removal of buffers of Western blot strips
- Removal of excess liquid from slides and Petri dishes

A	8-channel tip detrusion adapter 200μL tip
B	8 channel needle Ø1.5mm
C	Single needle Ø2.5mm, 40mm
D	Single needle Ø2.5mm, 120mm
E	Single needle Ø1.5mm, 40mm
F	Single needle Ø1.5mm, 120mm
G	tip detrusion adapter 200μL tip
H	tip detrusion adapter 1mL tip
I	1L bottle fitting
J	1L collection bottle
K	Handle Hoop (Vacuum Aspirator)



Smart VAC

Bench top compact vacuum aspirator

The 1L bench-top compact vacuum aspirator with replaceable battery is designed for flexible handling of small amounts of liquids, with one key control, easy operation and wide application.

DLAB
Smart Vac

Features

- **Compact and portable, small foot print**
  Suitable for any bench top space including laminar flow cabinet. the collection bottle is independent of the vacuum source and power supply, and can be placed at any position.
- **One-key start to work with built-in rechargeable battery independent of exterior power supply**
  Continuous work for 5 hrs after fully charged.
- **Fast, safe and reliable**
  Aspiration speed up to 1. 6 L/min;
  hydrophobic filters against contamination.
- **Dual function of aspiration and filtration**
  1L collection bottle in standard package,
  with 500mL collection bottle (autoclavable) and filtration flask optional.

- Removal of supernatant from pellets;
- Removal of culture media;
- Quick removal of spillage from the bench top;
- Vacuum Filtration

Specifications

Vacuum Range	0-600mbar
Aspiration speed	1.6 L/min(air)
Bottle	1L collection bottle in Standard package, 500mL bottle with an adaptor, or filtration flask optional
Adapter	1mL tip detrusion adapter, 8-channel tip detrusion adapter
Motor type	Brushless DC motor/ Brush motor
Power	DC 12V， 1.0A
Battery	Rechargeable lithium battery 2000mA/h
Noise Level	53dB
Dimension [WxDxH]	127 x 144 x 244mm
Weigh	0.5kg

Thermal Control

Digital Dry Bath

The microprocessor controlled Digital Dry Baths offer control over both temperature and time, eliminating the need for an external thermometer or timer.

Used to thaw, boil, incubate and warm samples for different applications in molecular biology, assay preparation,tissue/cell culture, biochemistry, genetics, histology, clinical, environmental and industrial laboratories.

Dry bath provides precise temperature for various experiments. Thermo mix also has mixing function, and widely used in various fields such as molecular biology and cell biology, including gene synthesis, gene purification, gene cloning, gene expression, protein expression analysis , enzyme reaction, bacterial growth and so on.

List of DLAB models:

Model	Image	Function	Temp. Setting Range	Mixing speed	Blocks	Page
HB60-S		Heating	25°C,30°C, 37°C,45°C,60°C	-	30×5mL+8×10mL	p.55
HB120-S/SC		Heating	25°C-120°C	-	54×0.2mL 40×0.5mL 40×1.5/2mL 28×5/15mL 45×5mL 8×50mL 18×(0.2mL+0.5mL+1.5/2mL) 12×0.2mL PCR 8-tube strip or 0.2mL 96 PCR Microplate ELISA Microplate Bead/Water bath	p.55
HB105-S1/ S2		Heating	25°C-105°C	-	30×0.2mL 20×0.5mL 20×1.5mL 20×2mL 12×5mL 12×15mL 4×50mL Bead/Water bath	p.55
HB150-S1/ S2		Heating	25°C-150°C	-		p.55
H100-Pro		Heating	25°C-100°C	-	24×0.5mL 24×1.5mL 24×2mL 8×5mL(Round/Cone Bottom) 8×15mL 4×50mL 12×0.2mL PCR 8-tube strip or 0.2mL 96 PCR ELISA Microplate	p.57
HC110-Pro		Heating&Cooling	-5°C-110°C	-		p.61
HCM100-Pro		Heating& Cooling&Mixing	0°C-100°C	200-1500rpm		p.60
HM100-Pro		Heating&mixing	15°C-100°C	200-1500rpm		p.60
Mini H100		Heating	25°C-100°C	-	40×0.2mL 24×0.5mL 15×1.5mL 15×2mL 6×5mL 4×15mL 2×50mL	p.59
Mini HC100		Heating&Cooling	0°C-100°C	-		p.59
Mini HCL100		Heating&Cooling (with hot lid)	0°C-100°C	-		p.59

DLAB Dry Bath Series

HB105-S1/S2/HB150-S1/S2/HB120-S/SC/HB60-S/H100-Pro

Small footprint. Rapid & accurate temperature control. Overheating protection.
Accommodates various types of tube holders to meet every lab need.

HB105-S1

HB105-S2

HB150-S1

HB150-S2

HB120-S/SC

HB60-S

MiniHCL100

H100-Pro

Features

- Accurate and uniform temperature control
- Digital control and display of time and temperature
- Wide range of temperature control for different applications
- Monitor temperature in real-time, and set timer
- Wide range of heating blocks compatible with most popular lab tubes
- Overheating protection ensures sample and user safety
- Equipped with a lid for heat preservation, and preventing pollution
- User-friendly setting knob for easy and simple operation

HB105-S1 HB105-S2
HB150-S1 HB150-S2

Durable, reliable safe and convenient to use

Features

- Single and double heat block modules available
- Highest temperature up to 150 °C
- Buzzer alert when the time is up
- External temperature sensor PT1000

HB120-S/SC/HB60-S

Easy to use, safe and durable

Features

- Low profile - space saving design
- The max heating temperature is 120°C (HB120-S/HB120-SC), and the timer function support available
- Discrete heating temperature levels：25 °C，30 °C, 37 °C, 45 °C, 60 °C (HB60-S)
- 30×5mL+8×10mL dual purpose heating block
- Temperature calibration function inbuilt for users (HB120-SC)

H100-Pro

Digitally accurate with exceptional temperature uniformity

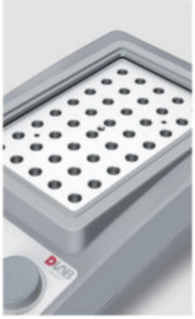
Features

- Customizable user setting program with up to 6 sequential steps
- Temperature calibration function inbuilt for users
- Magnetic heat block mounting eliminating need of any tools
- Interchangeable sample blocks designed to provide versatility, easy cleaning and disinfecting
- Accurate temperature control of each heating block with lid to minimize the heat loss

Applications

Suitable for clinical laboratories, for sample preparation, Enzyme-substrate reactions, biochemistry tests, serum coagulation tests and many other.

Specifications	**H100-Pro**	**HB105-S1 HB105-S2**	**HB150-S1 HB150-S2**	**HB120-S/SC**	**HB60-S**
Temperature range[°C]	Room temp+5-100	Room temp+5-105	Room temp+5-150	Room temp+5-120	Room temp+5-60
Temperature Setting range [°C]	0-100	25-105	25-150	15-120	5 gears:25, 30, 37,45,60
Temperature control accuracy[°C]	±0.5	25-90: ±0.3 90-105: ±0.6	25-90: ±0.3 90-150: ±0.6	±0.5	±0.5
Temperature uniformity@ 37°C[°C]	±0.5	±0.2	±0.2	±0.5	±0.3
Power [W]	200	HB105-S1:100 HB105-S2:200	HB150-S1:100 HB150-S2:200	170	160
Time setting range	0min-99h59min	0min~99h59min	0min~99h59min	0min-99h59min	0min-99h59min
External sensor	-	Yes	Yes	-	-
Display	TFT	LED	LED	LED	LED
Voltage,Frequency	110/220V,50/60HZ	110/220V,50/60HZ	110/220V,50/60HZ	110/220V,50/60HZ	110/220V,50/60HZ
External Dimension[WxDxH]	200x235X120	290x210X120	290x210X120	175X290X85	175X290X85
Weight（kg)	7.3	3.2	3.2	3	2.5
Operating temperature[°C]	10-40	10-40	10-40	10-40	10-40
Operating humidity[% RH]	＜80	＜80	＜80	＜80	＜80



Mini Dry Bath

MiniHCL100/MiniHC100/MiniH100

Portable and option to power by automobile power adapter

Features

- Mini, lightweight, safe with LCD display
- Digital control over both temperature and time
- Built-in user recalibration function guarantees long term temperature accuracy
- Overheating protection
- Optional cooling function
- Interchangeable blocks for a wide variety of test tube sizes
- Mini HCL100 with hot lid to prevent water condensing on the tube cap

Applications

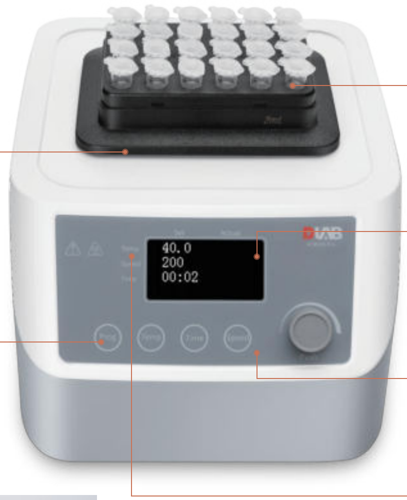
Useful for rapid and uniform heating of biological samples in applications like preservation, denaturation of nucleic acids and proteins, and many other applications.

Specifications	Mini HCL100	Mini HC100	Mini H100
Display	LCD	LCD	LCD
Temperature setting range[°C]	0-100	0-100	25-100
Temperature range [°C]	Room temperature-23~100	Room temperature-23~100	Room temperature+5~100
Temperature control accuracy[°C]	±0.5	±0.5	±0.5
Temperature display accuracy[°C]	0.1	0.1	0.1
Minimum time taken for heating(25°C+100°C)	⩽20min	⩽20min	⩽20min
Minimum time for cooling(20°C-0°C)	⩽25min	⩽25min	-
Max. Heating Rate	8°C/min	8°C/min	6.5°C/min
Max. Cooling Rate	3°C/min	3°C/min	-
Time setting range	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec
Program Memory	9(2steps for each)	9(2steps for each)	9(2steps for each)
Temperature self-calibration	Support	Support	Support
Error code display	Support	Support	Support
Dimension[WxDxH]	110x162x140mm	110x162x140mm	110x162x140mm
Total Weight [kg]	⩽1	⩽1	⩽1
Voltage,Frequency	100-240V, 50/60Hz or DC12V	100-240V, 50/60Hz or DC12V	100-240V, 50/60Hz or DC12V
Power [w]	60	60	60
Operating temperature[°C]	+10-40	+10-40	+10-40
Operating humidity [% RH]	⩽80	⩽80	⩽80

Thermo Mix

HCM100-Pro/HM100-Pro

Thermo Mix series integrates precise and efficient heating & cooling and mixing function
DLAB HCM100-Pro-Heating/Cooling/Mixing
DLAB HCM100-Pro combines the excellent mixing and accurate temperature control, to make your work efficiently and productively



Magnet adhesion technology
Quick interchange of blocks with magnet adhesion technology without any tools

Program keys
Freely programmable
Fast and simple access to the most frequently used temperature and time parameters
Save up to 9 user defined programs

Module compatibility
Flexible adapter selection, compatible with various tubes

Intuitive display
LCD display for time, speed and temperature parameters

Block self-recognition
The system can automatically identify the heating module to ensure the smooth completion of the experiment

Add-ons
Three ponit temperature calibration for precise temperature control

Temperature protection
Block equipped with a lid for heat preservation

Features

- Fully programmable
- Precise temperature control for heating and cooling
- Real-time display of speed, temperature and time
- Excellent mixing (200-1500rpm)
- Quick interchange of blocks without tools and automatic block recognition
- Compatible with most popular tubes
- Block equipped with a lid for heat preservation
- Temperature self-calibration

Applications

Precise and efficient heating/cooling and mixing is applicable for many applications such as Gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, and others.

Thermo Control

HC110-Pro

heating and cooling with digital display

Features

- Compact, programmable and overheating protection for safe sample handling
- Precise temperature control for heating and cooling -5°C to 110°C for all major lab applications
- Interchangeable sample blocks available
- Most common application includes reagent warming/cooling, DNA extractions, enzymatic reactions and reactions that need to processed at or near room temperature.

As low as -5°C

Precise temperature control for heating and cooling between -5°C-110°C.

Specifications	HCM100-Pro	HM100-Pro	HC110-Pro
Functions	Heating,cooling&mixing	Heating&mixing	Heating&cooling
Temperature range [°C]	Below room temp 15- 100	Room temp-100	Below room temp 25- 110
Temperature Setting range [°C]	0-100	0-100	-5-110
Temperature control accuracy@20-45 [°C]	±0.5	±0.5	±0.5
Temperature uniformity@20-45 [°C]	±0.5	±0.5	±0.5
Power [W]	200	200	200
Time setting range	0min~99h30min	0min~99h30min	0min~99h30min
Max Heating speed	5.5°C/min	5.5°C/min	5.5°C/min
Max Cooling speed	5°C/min（100°C-room temp） 0.5°C/min（below room temp）	-	2.5°C/min（100°C-room temp） 0.5°C/min（below room temp）
Mixing speed [rpm]	200-1500	200-1500	-
Mixing orbit [mm]	3	3	-
Display	TFT	TFT	TFT
Program	9	9	9
Overheating protection [°C]	150	150	150
Voltage,Frequency	110/220V，50/60HZ	110/220V，50/60HZ	110/220V，50/60HZ
Dimension [mm]	200x235X120	200x235X120	200x235X120
Weight [kg]	7.3	7.3	7.3
Operating temperature [°C]	10-40	10-40	10-40
Operating humidity [% RH]	<80	<80	<80

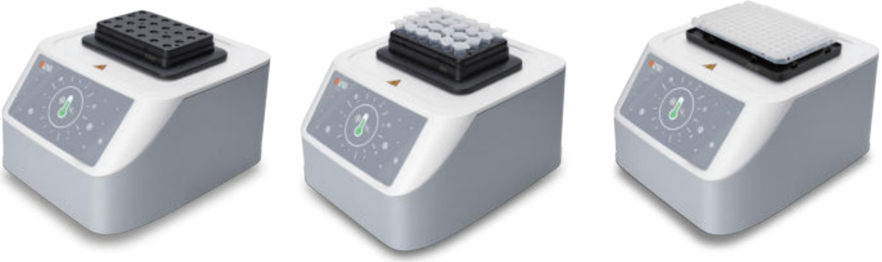
CT4-Pro

4°C Thermostatic Ice Box

NEW

Features

- Fast cooling rate and high stability;
- High-efficiency Peltier precision temperature control with good homogeneity;
- Multi-colour LEDs to indicate different operating status;
- Built-in module reminder function;
- Compact product design, small footprint;
- Multiple module choices, easy replacement of magnetic adsorption, suitable for a wide range of test tubes, and support for continuous operation;
- It takes only about 10 minutes to reduce the temperature from room temperature to 4°C;



Applications

4°C Thermostatic Ice Box is a microcomputer-controlled thermostat with high temperature control accuracy and good homogeneity, widely used for sample preservation, pre-denaturation of DNA amplification products and electrophoresis, serum coagulation, etc. The industry covers pharmaceutical, chemical, food safety and environmental testing.

Specifications	CT4-Pro
Functions	Cooling
Temperature Control Setting	4°C
Temperature Control Accuracy	±0.5°C
Temperature Uniformity	±0.5°C
Status Indicator	LED Dual Colour (Red&Green)
Cooling Speed	⩽10min (depending on the module)
Running State	Continuous
Noise Level	⩽55dB
Protection Class	IP20
Voltage	110V/220V
Frequency	50/60HZ
Power	80W
Dimensions [L×W×H]	200×235×120
Weight	3.3kg
Permissible Ambient Temperature and Humidity	5-40°C,80%RH

Blocks

H100-Pro/HC110-Pro/HCM100-Pro/HM100-Pro

Cat.No						
Cat.No	Magnetic	18900401	18900402	18900403	18900404	18900405
	Mechanical fixation	18900344	18900343	18900345	18900637	18900638
Block types						
Capacity		24×0.5mL	24×1.5mL	24×2mL	8×5mL round bottom	8×5mL cone bottom
Speed		1500rpm	1500rpm	1500rpm	1500rpm	1400rpm
Diameter×depth		8.1×26mm	10.9×30.8mm	10.9×30.8mm	13.6×42mm	17×51.5mm

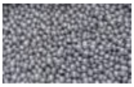
Cat.No							
Cat.No	Magnetic	18900874	18900406	18900407	18900420	18900423	18900746
	Mechanical fixation	—	18900241	18900242	18900349	18900350	—
Block types							
Capacity		24×1.5mL Chromatography Vial	8×15mL	4×50mL	12×0.2mL PCR 8-tube strip or 0.2mL 96 PCR Microplate	ELISA microplate	Deep well Plate
Speed		1500rpm	800rpm	600rpm	1500rpm	1500rpm	—
Diameter×depth		12×20.5mm	16.9×106mm	29.6×102mm	5.7×13.2mm	127×85mm	127×85×42mm

HB120-S/HB120-SC（Standard:151×95×50mm，Thin:151×95×36.5mm）

Cat.No							
Cat.No	Standard	18900218	18900219	18900253	18900220	18900818	18900221
	Thin	18900274	18900275	18900276	18900277	18900877	—
Block types							
Capacity		54×0.2mL	40×0.5mL	40×1.5mL	40×2mL	60×2mL Ampoules	28×5/15mL
Diameter×depth		6.4×15mm	8.2×26.4mm	11×34.7mm	11×34.7mm	12×37mm	17×48mm

Cat.No						
Cat.No	Standard	18900222	18900224	18900223	18900546	—
	Thin	—	18900278	18900279	—	18900504
Block types						
Capacity		8×50mL	18+18+18 0.2mL+0.5mL+1.5/2mL	microplate	45×5mL blood collection tubes	12×0.2mL PCR 8-tube strip or 0.2mL 96 PCR Microplate
Diameter×depth		29.8×48mm	Each capacity	127×85mm	13.5×48mm	5.7×13.2mm

Capacity	Cat. No.18900523
Two-in-one block, bead bath/water bath Adapt to S2	

Capacity	Cat. No.18900520
Aluminum beads	

HB105-S1 /HB105-S2 /HB150-S1 /HB150-S2

Cat.No	18900459	18900460	18900461	18900462	18900463
Block types					
Capacity	30×0.2mL	20×0.5mL	20×1.5mL	20×2mL	12×5mL
Diameter×depth	6.4×20mm	7.85×28.4mm	11×34.7mm	11×34.7mm	16.6×46mm

Cat.No	18900464	18900465	18900522	18900523	18900520
Block types					
Capacity	12×15mL	4×50mL	Dual purpose block,bead bath/water bath Adapt to S1	Dual purpose block,bead bath/water bath Adapt to S2	Aluminum beads
Diameter×depth	16.6×73mm	29.2×73.5mm	95×76×56mm	151×95×62mm	—

Mini HCL100/Mini HC100/Mini H100

Cat.No	18900414	18900415	18900416	18900428
Block types				
Capacity	40×0.2mL	24×0.5mL	15×1.5mL	15×2mL
Diameter ×depth	6.4×17 mm	8×26mm	11.2×31mm	11×31mm

Cat.No	18900417	18900426	18900427
Block types			
Capacity	6×5mL	4×15mL	2×50mL
Diameter ×depth	16.2×31mm	16.6×46mm	28.8×45mm

TC1000-G-pro

Gradient gene amplification instrument

TC1000-S+

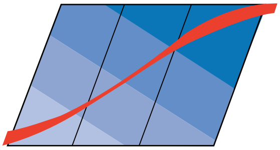
Isometric gene amplification instrument

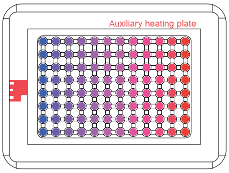
DLAB
TC1000-G-Pro

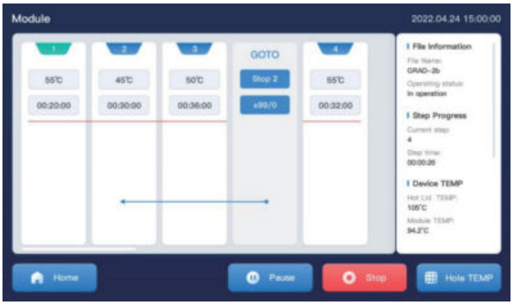
Elegant in design, precise and accurate in precision, with high repeatability of results, specially designed for PCR optimization, supporting Touchdown PCR and Long PCR experiments. Equipped with advanced gradient temperature control technology, high-performance and long-lasting Peltier refrigeration and heating, it can achieve precise temperature control in different zones and edge temperature compensation technology, with excellent temperature uniformity performance. Through gradient setting, experimental conditions can be easily optimized. TC1000-S+/G-Pro gene amplification instrument is a basic instrument in molecular laboratories, widely used in gene detection, molecular cloning, gene expression, mutagenesis and other fields, involving drug discovery, agriculture, food industry and other fields.

Excellent temperature uniformity

Temperature gradient







File Information
File Name:
GRAD-2b
Operating status:
In operation

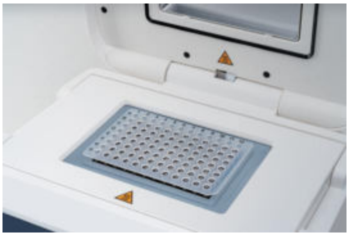
Step Progress
Current step:
4
Step time:
00:00:26

Device TEMP
Hot Lid TEMP:
105℃
Module TEMP:
94.2℃

Features

- A brand new UI user interface, simple and easy-to-use graphical menus, color touch panels, making it easier for customers to edit programs
- Automatic power-off protection, automatically executes incomplete cycles after power restoration, ensuring safe operation of the amplification process
- Support Touchdown PCR (-9.9 ° C~+9.9 ° C) and Long PCR (-9min 59s~+9min 59s) experiments (TC1000-G-Pro only)
- The temperature and working mode of the hot cover can be set to meet different experimental needs. When the temperature of the heating module is below 30 °C, the hot cover function will be automatically turned off
- One click rapid incubation function, meeting the needs of denaturation, enzyme digestion/enzyme-linked immunosorbent assay, ELISA and other experiments

- Compatible with common PCR tubes, 8-row tubes, 96 well PCR plates without skirt edges, semi skirt edges
- Real time display of program progress and remaining time, setting user security accounts and passwords according to different customer needs
- Built in WIFI module, connected to a local area network through a computer host, allowing for simultaneous control of multiple PCR machines by one machine
- USB interface, supports USB inventory/PCR data retrieval, supports USB flash drive and LAN software updates, customizable programs, and meets multiple file storage functions



LCD touch panel

Excellent temperature accuracy

Technical parameter	TC1000-S+	TC1000-G-Pro
Picture		
Sample Capacity	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well PCR plate	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well PCR plate
Module	1X96	1X96
Sample module temperature control range [°C]	0-105	0-105
Hot lid temperature control range [°C]	30-115	30-115
Temperature display accuracy [°C]	0.1	0.1
Temperature control accuracy [°C]	±0.1	±0.1
Temperature uniformity (at 55 °C) [°C]	±0.2	±0.2
Maximum rate of temperature change	5°C/Sec	5°C/Sec
Gradient Temp Setting Range [°C]	-	30-105
Gradient span [°C]	-	1-42°C, enter 0 to turn off the gradient.
Temperature Control Method	Block/Tube	Block/Tube
Material of the carrier module	Aluminum	Aluminum
Display	7 inches，LCD 1024×600	7 inches，LCD 1024×600
Input method	Touch panel	Touch panel
Power off protect	Yes	Yes
Communication Interface	USB，WIFI	USB，WIFI
Number of program storage	20000+（USB FLASH）	20000+（USB FLASH）
User Defined File System	Up to 30 steps and 99	Up to 30 steps and 99
Power Supply	100-120V/200-240V,50/60HZ,600W	100-120V/200-240V,50/60HZ,600W
Dimensions [WxDxH]	296×370×295mm	296×370×295mm
Weight	9.5Kg	9.5Kg
Permissible Ambient Temperature and Humidity	5-40°C，80%RH	5-40°C，80%RH

TC2000-G1/G2/G3

Thermal Cycler Gradient

NEW

Features

- 10.1-inch large screen new UI interface, divided into single-channel / dual-channel / three-channel, to meet different experimental requirements
- With advanced gradient temperature control technology, high-performance and long-lasting Peltier refrigeration and heating, which can achieve precise temperature control in zones.
- Multi-channel module design, can run several different PCR gradient programs at the same time, to achieve multi-purpose machine
- Self-adaptive pressure lever hot cap, close and tighten the cap in one step, can be adapted to different heights of test tubes
- Supports up to 199 cycles to perform the next operation, and runs a countdown disc to visually display the remaining time
- Edge temperature compensation technology for good temperature uniformity and gradient settings for easy optimisation of experimental conditions
- Real-time display of the running status of the programme, you can set the security account and password according to customer demand
- Automatic power failure protection, automatically execute unfinished cycles after power restoration to ensure the safe operation of the whole amplification process.
- Hot lid temperature and hot lid operating mode can be set to meet different experimental application requirements
- USB interface, support for U-disk storage/reading PCR data, support for U-disk software update, can be customised to meet the function of multiple file storage, support for Touch down PCR and Long PCR experiments
- Compatible with common 0.2mL PCR tubes, PCR-8Strips and 96-well PCR plates (no skirt, half skirt)

Application

TC2000-G1/G2/G3 is an indispensable laboratory instrument in the field of molecular biology, which can be used for gene sequencing, gene cloning, gene expression, mutation, and plays an important role in various fields such as agriculture, food testing, environmental science, drug development and so on.

Medical Research
IFor pathogen detection, e.g. gene identification of viruses, bacteria and fungi, mutation analysis of disease-associated genes, gene expression analysis in cancer research, etc.

Biological Research
Genotyping, gene cloning, species identification, evolutionary analyses, and other studies

Forensic Science
DNA analysis of crime scene samples to help identify suspects and provide a basis for public security case detection

Agricultural sector
For genetic research on crops and livestock, e.g. breed improvement, genetic disease detection, etc.

Food testing
Detection of pathogenic bacteria, genetically modified ingredients in food, etc.

Environmental Science
Analysing microbial communities in the environment and detecting genetic effects of pollutants on organisms

Drug Development
Screening of drug targets, assessment of drug effects on gene expression

Genetic studies
Conducting diagnosis and research on human genetic diseases

Palaeontology
Analyses species identification and classification, development and evolution, extinction event studies and the origin of species in ancient organisms

Specifications	TC2000-G1	TC2000-G2	TC2000-G3
Sample Capacity	96×0.2mL PCR tube 12×PCR-8strips 1×0.2mL 96-well PCR plate	96×0.2mL PCR tube 12×PCR-8strips	96×0.2mL PCR tube 12×PCR-8strips
Module	1×96	2×48	3×32
Sample module temperature control range [°C]	0-105	0-105	0-105
Hot lid temperature control range [°C]	30-115	30-115	30-115
Temperature display accuracy [°C]	0.1	0.1	0.1
Temperature control accuracy [°C]	±0.1	±0.1	±0.1
Temperature uniformity (at 55 °C) [°C]	±0.2	±0.2	±0.2
Maximum rate of temperature change	5°C/Sec	5°C/Sec	5°C/Sec
Gradient Temp Setting Range [°C]	30-105	30-105	30-105
Gradient span [°C]	1-42°C, enter 0 to turn off the gradient	1-25°C, enter 0 to turn off the gradient	1-25°C, enter 0 to turn off the gradient
Temperature Control Method	Block/Tube	Block/Tube	Block/Tube
Material of the carrier module	Aluminum	Aluminum	Aluminum
Display	10.1inches LCD 1280×800	10.1inches LCD 1280×800	10.1inches LCD 1280×800
Input method	Touch panel	Touch panel	Touch panel
Power off protect	Yes	Yes	Yes
Skip to the next step	Yes	Yes	Yes
Communication Interface	USB，WIFI	USB，WIFI	USB，WIFI
Number of program storage	20000+（USB FLASH）	20000+（USB FLASH）	20000+（USB FLASH）
User Defined File System	Up to 30 steps and 199 cycles in a single program	Up to 30 steps and 199 cycles in a single program	Up to 30 steps and 199 cycles in a single program
Power Supply	100-240V,50/60HZ,600W	100-240V,50/60HZ,1000W	100-240V,50/60HZ,1500W
Dimensions [WxDxH]	310×422×264mm	310×422×264mm	310×422×264mm
Weight	11Kg	11Kg	11Kg
Permissible Ambient Temperature and Humidity	5-40°C，80%RH	5-40°C，80%RH	5-40°C，80%RH

Stirring&Heating

Magnetic hotplate stirrers are used for low viscosity liquids or solid mixing, chemical synthesis, physical and chemical analysis, bio-pharmaceuticals etc. DLAB provides different series, heating range covers from 120°C-550°C:

Magnetic Hotplate Stirrers:

Series	Model	Image	Stirring Position	Display	Work plate Size	Max. Heating Temp.	Max. stirring quantity[H_2O]	Page
550 series	DMS7-550M		1	LCD	184x184mm	550°C	20L	p.76
	DMS4-550		1	LCD	100X100mm	550°C	10L	p.76
	MS7-H550-Pro		1	LCD	184x184mm	550°C	20L	p.82
	MS7-H550-S		1	LED	184x184mm	550°C	10L	p.82
500 series	MS10-H500-Pro		1	LCD	254X254mm	500°C	30L	p.81
340 series	DMS5-340		1	LCD	Ø135mm	340°C	20L	p.79
	DMS5-340M		1	LCD	Ø135mm	340°C	20L	p.79
	MS-H-Pro^M		1	LCD	Ø135mm	340°C	20L	p.84
	MS-H-Pro^A		1	LCD	Ø135mm	340°C	20L	p.86
	MS-H-Pro^T		1	LCD	Ø135mm	340°C	20L	p.86
	MS-H-S		1	Scale	Ø135mm	340°C	20L	p.86
	MS-H340-S4		4	LCD	Ø135mm	340°C	10Lx4	p.103
380 series	MS-H380-F100*		1	LCD	140x140mm	380°C	5L	p.97
	MS-H380-F250*		1	LCD	140x140mm	380°C	5L	p.97
	MS-H380-F500*		1	LED	Ø135mm	280°C	5L	p.97
	MS-H380-F1000*		1	LED	100mLBeaker	280°C	100mL	p.97
	MS-H380-F2000*		1	LCD	250mLBeaker	280°C	250mL	p.97

Note: “*” indicates product coming soon

Magnetic Hotplate Stirrers:

Series	Model	Image	Stirring Position	Display	Work plate Size	Max. Heating Temp.	Max. stirring quantity[H_2O]	Page
380 series	MS-H380-Pro		1	LCD	140x140mm	380°C	5L	p.87
280 series	MS7-H280-G*		1	LCD	180x180mm	280°C	20L	p.94
	DMS5-280*		1	LED	Ø135mm	280°C	5L	p.95
	MS-H280-B100		1	LED	100mLBeaker	280°C	100mL	p.100
	MS-H280-B250		1	LCD	250mLBeaker	280°C	250mL	p.100
	MS-H280-B500		1	LCD	500mLBeaker	280°C	500mL	p.100
	MS-H280-B1000		1	LCD	1000mLBeaker	280°C	1000mL	p.100
	MS-H280-F100		1	LCD	100mLFlask	280°C	100mL	p.100
	MS-H280-F250		1	LCD	250mLFlask	280°C	250mL	p.100
	MS-H280-F500		1	LCD	500mLFlask	280°C	500mL	p.100
	MS-H280-F1000		1	LCD	1000mLFlask	280°C	1000mL	p.100
	MS-H280-Pro		1	LED	Ø135mm	280°C	3L	p.87
	MS-H280-S4		4	LCD	Ø134mm	280°C	3Lx4	p.104
120 series	MS-H280-S6		6	LCD	Ø134mm	280°C	3Lx6	p.104
	MS-H-S10		10	Scale	180x450mm	120°C	0.4Lx10	p.107
	DMS5-120		1	LCD	Φ135mm	120°C	5L	p.95

Magnetic Stirrers:

Image	Model	Stirring Position	Display	Work plate Size	Max. stirring quantity[H_2O]	Page
	DMS4	1	LCD	100X100mm	10L	p.76
	MS7-S	1	Scale	184x184mm	10L	p.111
	MS6-Pro	1	LCD	140x140mm	5L	p.111
	MS-S	1	Scale	Ø135mm	20L	p.111
	MS-PA	1	LED	Ø135mm	3L	p.112
	MS-PB	1	Scale	Ø135mm	3L	p.112
	EcoStir	1	Scale	120x115mm	1.5L	p.116
		1	Scale	Ø120mm	1.5L	p.115
	FlatSpin	1	–	Ø90mm	0.8L	p.115
	MS-M-S4	4	LCD	Ø134	3LX4	p.104
	MS-M-S6	6	LCD	Ø134	3LX6	p.104
	MS-T-S15	15	LCD	460x304mm	0.4Lx15	p.113
	MS-M-S10	10	Scale	180x450mm	0.4Lx10	p.114

Hotplate:

Image	Model	Display	Work plate Size	Max. Heating Temp.	Page
	DHP4-550	LCD	100X100mm	550°C	p.76
	HP500-Pro	LCD	254x254mm	500°C	p.108
	HP550-S	LED	184x184mm	550°C	p.109
	HP380-Pro	LCD	140x140mm	380°C	p.110

Heating Magnetic Stirring Bath & Constant temperature bath

Image	Model	Display	Bath Size	Max. Heating Temp.	Page
	MS-H220-V3& MS-H220-V5	LCD	Ø220×105mm,3L; Ø240×135mm,5L	220°C	p.92
	TB-H240-V1	LED	Ø150×100mm,1L	240°C	p.89

Application guidance:

Notice: MS-H380-Pro, HP380-Pro & MS-H280-Pro are not available for chemical fields.

Fields		MS10-H500-Pro MS7-H550-Pro/ MS7-H550-S/ HP500-pro HP550-S	MS-H-Pro^{A}/ MS-H-Pro^{T}/ MS-H-Pro^{+}/ MS-H-S/ MS-H340-S	MS-H380-Pro/ HP380-Pro	MS-H280-Pro	MS-H-S10	Magnetic Stirrers (none heating models)
Pharmaceutical	Chemical Synthesis	🟩	🟩				
	Biochemical Drugs	🟩	🟩				
	Medicine Testing	🟩	🟩				
	Drug Formulation	🟩	🟩				
Chemical Industry	Petrochemical Industry	🟩	🟩				
	Inorganic Chemical Synthesis	🟩	🟩				
	Organic Chemical Synthesis	🟩	🟩				
	Daily Use Chemical Industry	🟩	🟩				
	Painting/Rubber/ Plastic	🟩	🟩				
	Fertilizer/Pesticide	🟩	🟩				
Environmental	Water Quality Analysis				🟩	🟩	🟩
	Pesticide Residue Testing				🟩	🟩	🟩
	Chemical Pollution Analysis				🟩	🟩	🟩
Research & Education	Basic Chemical Experiments	🟩	🟩		🟩	🟩	🟩
	Material Analysis			🟩	🟩	🟩	🟩
	Liquid Mixing			🟩	🟩	🟩	🟩
	Chemical Synthesis	🟩	🟩				
Food Industry	Food Additive	🟩	🟩	🟩	🟩		
	Dairy Products	🟩	🟩	🟩	🟩		
	Nutrition Analysis	🟩	🟩	🟩	🟩		
Biological Engineering	Cell Culture						
	Biological Reagents		🟩	🟩	🟩	🟩	
	Biochemistry		🟩	🟩	🟩	🟩	

Homogenizer series

Image	Model	Speed Range	speed levels	Working volume	Max. viscosity	Page
	D-160	8000-32000rpm	10stage	0.1-250mL	5000mPa·s	P.122
	D-500	10000-30000rpm	6stage	10-40000mL	10000mPa·s	P.123

Overhead stirrers are used for middle or high viscosity samples mixing, widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries etc.

Overhead stirrers:

Image	Models	Max. Stirring Quantity[H_2O]	Constant Speed	Display	Speed Range	Max. Torque	Viscosity Max.	Page
	OS-T40-Plus	30L	YES	LCD	50-2200rpm	40N•cm	10000mPa•s	P.126
	OS-T60-Plus	50L	YES	LCD	50-2200rpm	60N•cm	50000mPa•s	P.126
	OS-T400-Plus*	100L	YES	LCD	Agear： 10-400rpm Bgear： 20-2000rpm	400N•cm	150000mPa•s	P.126
	OS20-Pro	20L	YES	LCD	50-2200rpm	40N•cm	10000mPa•s	P.128
	OS20-S	20L	-	LED	50-2200rpm	40N•cm	10000mPa•s	P.129
	OS40-Pro	40L	YES	LCD	50-2200rpm	60N•cm	50000mPa•s	P.128
	OS40-S	40L	-	LED	50-2200rpm	60N•cm	50000mPa•s	P.129
	OS70-Pro	70L	YES	LCD	50-1100rpm	300N•cm	100000mPa•s	P.128

DMS7-550M/DHP7-550/DMS7

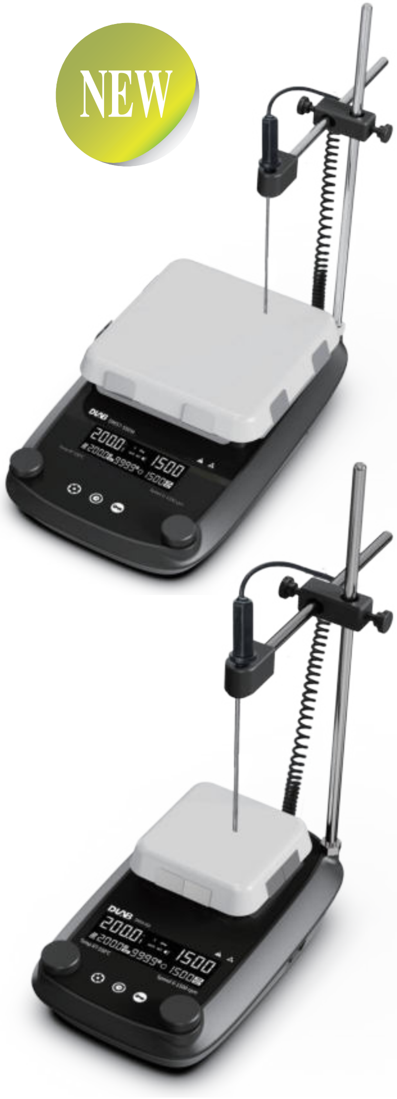
LCD Digital 7-Inch Timed Heating Magnetic Stirrer (Strong Magnetic)、 Hotplate、 Magnetic Stirrer

DMS4-550/DHP4-550/DMS4

LCD Digital 4-Inch Timed Heating Magnetic Stirrer、 Hotplate、 Magnetic Stirrer

Features

- Ceramic discs are extremely corrosion-resistant, resistant to strong acids and alkalis, and high temperatures, making it easy to clean accidental drips of solvents, oils, or other contaminants.
- The corrosion-resistant all-metal housing provides good heat dissipation and reliable fire protection.
- High-efficiency infusion platform and waterproof edge design prevents liquid from entering the interior of the machine and corroding electronic components.
- Selected high-temperature resistant strong magnetic magnet, strong stirring, suitable for viscous liquid stirring.
- Heating modes are divided into: A rapid heating mode,
- B standard heating mode, C stable heating mode, to meet different customer needs.
- Safety locks to prevent accidental changes in operating conditions.
- Buzzer: When the machine malfunctions, or the timer function counts down to the end of the buzzer will emit a "drip drip drip" sound.
- Residual heat warning function, when the disc temperature is higher than 50 °C, turn off the heating, the screen will have a "HOT" flashing prompt, even if the power off, the display is still "HOT" flashing to remind the high temperature.
- Two independent safety circuits are designed to continuously monitor the equipment. When overheating occurs, the sensor fails, the machine reports an error and stops heating, and when the line is short-circuited, the machine automatically cuts off the power supply to protect the operator's safety.
- DC brushless motor, no spark, long life; low noise, maintenance-free, smooth running.
- The LCD displays the set and real-time values of speed, time and temperature in an intuitive and clear manner.
- Timing function, timing range 1min-99h59min, countdown to the end of the stop heating, will not stop stirring, so as not to heat damage to the sample.
- Remote control function with PC connection.
- Safety temperature can be set.



Specifications	DMS7-550M	DHP7-550	DMS7
Working plate size	184x184mm（7 inch）	1184x184mm（7 inch）	184x184mm（7 inch）
Plate Material	Glass Ceramic	Glass Ceramic	Glass Ceramic
Motor type	Brushless DC motor	-	Brushless DC motor
Stirring positions	1	-	1
Maximum stirring volume [H_2O]	20L	-	20L
Maximum stirrer size [length]	80mm	-	80mm
Speed range and step	50~1500rpm，increment 1rpm	-	50~1500rpm，increment 1rpm
Speed Display	LCD	-	LCD
Temperature display	LCD	LCD	
Heating temperature range	Room temp-550°C，increment 1°C	Room temp-550°C，increment 1°C	-
Temperature control accuracy of heating liquid	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C)±1%(>100°C)	-
overheating protection	580°C	580°C	-
Temperature display accuracy	0.1°C	0.1°C	-
External temperature sensor	PT1000（accuracy ±0.2°C）	PT1000（accuracy ±0.2°C）	-
Waste heat warning function	50°C	50°C	-
Data connection	RS232	RS232	RS232
Protection class	IP21	IP21	IP21
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor output power	50W	-	10W
Power	1200W	1150W	50W
Heating output power	1150W	1100W	-
Voltage,Frequency	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-240V，50/60Hz
Dimensions [L x W x H]	360x230x110mm	360x230x110mm	360x230x110mm
Weight	4.3kg	4.3kg	4.3kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

Specifications	DMS4-550	DHP4-550	DMS4
Working plate size	100x100mm（4 inch）	100x100mm（4 inch）	100x100mm（4 inch）
Plate Material	Glass Ceramic	Glass Ceramic	Glass Ceramic
Motor type	Brushless DC motor	-	Brushless DC motor
Stirring positions	1	-	1
Maximum stirring volume [H_2O]	10L	-	10L
Maximum stirrer size [length]	40mm	-	40mm
Speed range and step	50~1500rpm，step 1rpm	-	50~1500rpm，step1rpm
Speed Display	LCD	-	LCD
Temperature display	LCD	LCD	
Heating temperature range	Room temp-550°C， increment 1°C	Room temp-550°C， increment 1°C	-
Temperature control accuracy of heating liquid	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C)±1%(>100°C)	-
overheating protection	580°C	580°C	-
Temperature display accuracy	0.1°C	0.1°C	-
External temperature sensor	PT1000（accuracy±0.2°C）	PT1000（accuracy ±0.2°C）	-
Waste heat warning function	50°C	50°C	-
Data connection	RS232	RS232	RS232
Protection class	IP21	IP21	IP21
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor output power	10W	-	10W
Power	460W	430W	30W
Heating output power	410W	410W	-
Voltage,Frequency	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-240V，50/60Hz
Dimensions [L x W x H]	270x175x108mm	270x175x108mm	270x175x108mm
Weight	2.2kg	1.8kg	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

NEW

DMS5-340/ DMS5-340M/DMS5

LCD Digital 5-Inch Timed Heating Magnetic Stirrer、 Heating Magnetic Stirrer(Strong Magnetic)、Magnetic Stirrer

DLAB
200.0
200.0
9999
1500
1500

Features

- Ceramic coated aluminium disc surface for corrosion resistance and easy cleaning.
- The corrosion-resistant all-metal housing provides good heat dissipation and reliable fire protection.
- Selected high-temperature resistant strong magnetic magnet, strong stirring, suitable for viscous liquid stirring.
- DMS5-340 powerful parallel magnetic field, any position of the disc, the magnetic field strength is uniform, suitable for parallel reaction; DMS5-340M strong magnetic field, suitable for viscous samples.
- High protection classIP41.
- Heating modes are divided into: A rapid heating mode, B standard heating mode, C stable heating mode, to meet different customer needs.
- Safety lock to prevent accidental change of operation.
- Buzzer: When the machine malfunctions, or the timer function counts down to the end of the buzzer will emit a "drip drip drip" sound.
- Heat warning function: when the disc temperature is higher than 50 °C, turn off the heating, the screen will have "HOT" flashing tips, even if you turn off the power, the display is still "HOT" flashing to remind the high temperature.
- Two independent safety circuits are designed to continuously monitor the equipment. When overheating occurs, the sensor fails, the machine reports an error and stops heating, and when the line is short-circuited, the machine automatically cuts off the power supply to protect the operator's safety.
- DC brushless motor, no spark, long life; low noise, maintenance-free, smooth running.
- LCD displays RPM, time and temperature parameters in an intuitive and clear manner.
- Timing function, timing range 1min-99h59min, countdown to the end of the stop heating, will not stop stirring, so as not to heat damage to the sample.
- Remote control function with PC connection.
- A wide range of accessories and complete, suitable for colleges and universities, scientific research, enterprises and other professional chemical synthesis laboratory.
- Safety temperature can be set.

Specifications	DMS5-340	DMS5-340M	DMS5
Working plate size	Ø135mm（5 inch）	Ø135mm（5 inch）	Ø135mm（5 inch）
Plate Material	Aluminium with ceramic coating	Aluminium with ceramic coating	Aluminium with ceramic coating
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring positions	1	1	1
Maximum stirring volume [H_2O]	20L	20L	10L
Maximum stirrer size [length]	80mm	80mm	80mm
Speed range and step	50-1500rpm,increment 1rpm	50-1500rpm,increment 1rpm	50-1500rpm,increment 1rpm
Speed Display	LCD	LCD	LCD
Temperature display	LCD	LCD	LCD
Heating temperature range	Room temp-340°C，increment 1°C	Room temp-340°C，increment 1°C	-
Temperature control accuracy of heating liquid	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C)±1%(>100°C)	-
overheating protection	420°C	420°C	-
Temperature display accuracy	±0.1°C	±0.1°C	-
External temperature sensor	PT1000(accuracy±0.2°C)	PT1000(accuracy±0.2°C)	-
Waste heat warning function	50°C	50°C	-
Data connection	RS232	RS232	RS232
Protection class	IP42	IP42	IP42
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor output power	10W	10W	10W
Power	650W	650W	30W
Heating output power	600W	600W	-
Voltage,Frequency	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-240V，50/60Hz
Dimensions [L x W x H]	270x175x98mm	270x175x98mm	270x175x108mm
Weight	2.2kg	2.2kg	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

MS10-H500-Pro

LCD Digital Magnetic Hotplate Stirrer With 10 Inch Ceramic Plate

Features

- Large volume: Up to 30L of liquid on 10-inch hot plate with powerful magnetic stirring
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- LCD display for precise monitoring of speed and temperature. External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at±0.2°C
- Digital speed control of 100 ~ 1500rpm
- Max. heating plate temperature 500°C
- The "HOT" warning will flash when the work plate temperature is above 50°C even when the hotplate is turned off
- Data connector: The SD card records the instrument's running data in real time.
- Timing function: the running time of the instrument can be set.

MS7-H550-Pro

LCD Digital Magnetic Hotplate Stirrer With 7 Inch Ceramic Plate

MS7-H550-S

LED Magnetic Hotplate Stirrer With 7 Inch Ceramic Plate

Features

- LCD displays actual temperature & speed
- Built-in PID controller ensures safe heating of the medium with overheating protection
- Maximum heating plate temperature up to 550°C
- Glass ceramic work plate is resistant to corrosion and is easy to clean
- External temperature control is possible by connecting temperature sensor(PT1000) with an accuracy of ±0. 2℃
- Digital speed control with maximum range of 1500rpm
- Outstanding brushless DC motor offers more stirring power
- Two knobs enable easy adjustment of speed and temperature
- “HOT” warning flashes when work plate temperature is above 50°C even when hotplate is turned off
- Remote function provides PC control and data transmission

Specifications	MS10-H500-Pro	MS7-H550-Pro	MS7-H550-S
Work plate Dimension [W x D]	254x254mm（10 inch）	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Brushless DC motor	Shaded pole motor
Stirring positions	1	1	1
Max. stirring quantity, [H_2O]	30L	20L	10L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100-1500rpm，resolution±1rpm	100-1500rpm，resolution±1rpm	0-1500rpm
Speed display	LCD	LCD	Scale
Temperature display	LCD	LCD	LED
Heating temperature range	Room Temp.-500°C, increment 1°C	Room Temp.-550°C, increment 1°C	Room Temp.-550°C, increment 5°C
Temperature control accuracy	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)	±10°C
Overheating protection	540°C	580°C	580°C
Temperature display accuracy	±0.1°C	±0.1°C	±1°C
External temperature sensor	PT1000(accuracy ±0.2°C)	PT1000(accuracy ±0.2°C)	PT1000(accuracy ±0.2°C)
"Hot" warning	50°C	50°C	50°C
Data connector	SD card	RS232	-
Protection class	IP20	IP21	IP21
Motor rating output	10W	10W	1.5W
Power	1700W	1050W	1030W
Heating output	1500W	1000W	1000W
Voltage,Frequency	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz
Dimension [WxDxH]	328x424x138mm	215x360x112mm	215x360x112mm
Weight	7.2kg	5.3kg	4.5kg
Timer function	1min-99h59min	-	-
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH	5-40°C,80%RH

Overheating protection

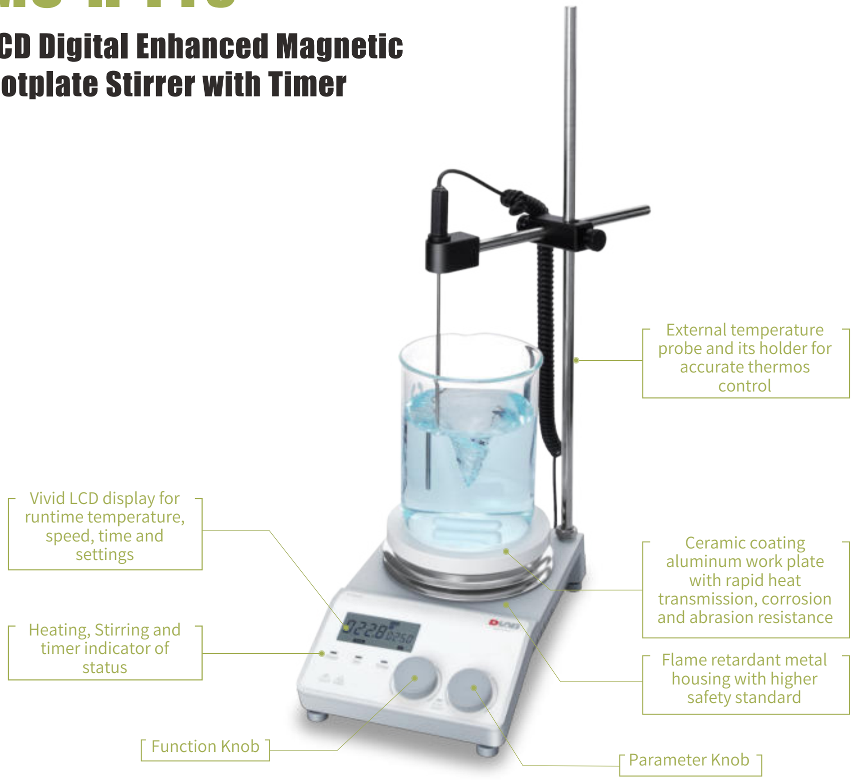
External sensor

Chemical resistance

Wide range of accessories

MS-H-Pro^{M}

LCD Digital Enhanced Magnetic Hotplate Stirrer with Timer


External temperature probe and its holder for accurate thermos control
Vivid LCD display for runtime temperature, speed, time and settings
Ceramic coating aluminum work plate with rapid heat transmission, corrosion and abrasion resistance
Heating, Stirring and timer indicator of status
Flame retardant metal housing with higher safety standard
Function Knob
Parameter Knob

Features

- Enhanced magnets and powerful motors for outstanding performance in the stirring of viscous liquid.
- Smooth acceleration and deceleration for stable running without spillage
- Timer control from 1 minute to 99 hours and 59 minutes. When the time countdown completes, it will keep stirring but turn off heating to keep the sample safe from heat damage.
- Three heating modes for different demands: A) Fast heating; B) Standard heating; C) Steady heating.
- “HOT” warning flashes on the LCD display if the work plate temperature is above 50 °C after the user turn off the power switch.
- Two independent safety circuits keep monitoring the instrument. When overheating is detected and the sensor malfunctions, it will stop heating and sound alarm; When short circuit is detected, it will cut off the power to ensure the human safety.
- Can be connected to PC with remote control.

Specifications	MS-H-Pro^{M}
Work plate dimension	Ø135mm (5 inch)
Work plate material	Aluminum with ceramic coating
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity (H_2O)	20L
Max. magnetic bar [length]	80mm
Motor rating output	15W
Speed range	100-1500rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room temperature ~ 340°C, increment 1°C
Temperature control accuracy	±1°C(<100°C)，±1%(>100°C)
Overheating protection	420°C
Temperature display resolution	0.1°C
External temperature sensor	PT1000 (accuracy±0.2°C)
“Hot” warning	50°C
Data connection	RS232
IP protection class	IP21
Timer range	1min~99h59min
Motor rating ouput	10W
Total power	720W
Heating power	600W
Voltage, Frequency	100~120/200~240V, 50/60Hz
Dimensions (WxDxH)	160x280x100mm
Weight	2.8kg
Permissible ambient temperature and humidity	5~40°C, 80% RH

MS-H-PRO^{A}

LCD Digital Magnetic Hotplate Stirrer

Three heating models for selecting
(fast heating, standard heating and stable heating)

MS-H-PRO^{+}

LCD Digital Magnetic Hotplate Stirrer

MS-H-Pro^{T}

LCD Digital Magnetic Hotplate Stirrer with Timer

MS-H-S

Analog Magnetic Hotplate stirrer

0228
0250
DLAB

Features

- Brushless DC motor is maintenance free and explosion-proof
- Digital temperature control up to 340°C
- Digital speed control up to 1500rpm
- Maximum stirring quantity of H_2O is 20L
- Safety circuits provide overheating protection
- "HOT" warning flashes if plate temperature is above 50°C even when hotplate is turned off
- Wide range timer function from 1 min to 99h 59min (MS-H-Pro^{T} only)
- High-resolution LCD display shows actual temperatures and speed (MS-H-Pro^{T} displays the time)
- External temperature control is possible by connecting the temperature sensor(PT 1000)with accuracy at ±0.2°C
- Work plate with ceramic coating provides good chemical-resistant performance
- Remote function provides PC control and data transmission
- Wide variety of accessories available to choose

Security

- International safety certification: CE, CTÜVuS, FCC and other product safety cert,certifications issued by TUV Rheinland
- Safety circuits provide overheating protection
- “HOT” warning flashes if the work plate temperature is above 50°C
- DC brushless motor free of maintenance and spark, and with long service life
- Fully enclosed aluminum alloy housing with good heat dissipation performance and reliable protection capability

External sensor RS232 connector Wide range of accessories Chemical resistance Brushless DC motor

MS-H380-Pro

LCD Digital Magnetic Hotplate Stirrer

Features

- Maximum heating temperature is 380°C
- High resolution LCD displays actual temperature and speed
- Brushless DC motor is maintenance free
- Aluminum ceramIc coating work plate, allowing immediate heat transfer
- External temperature control is possible with temperature sensor PT1000
- Digital speed control with maximum speed up to 1500rpm
- Maximum stirring quantity of H_2O at 5L

MS-H280-Pro

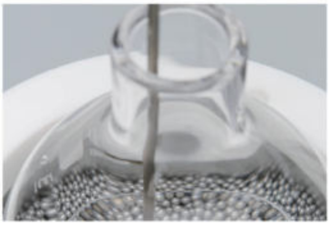
LED Digital Magnetic Hotplate Stirrer

DLAB MS-H280-Pro is a perfect hotplate stirrer for handling small volume task and daily applications, with maximum temperature of 280°C

Features

- Digital temperature control with maximum temperature up to 280°C
- Digital speed control with maximum speed up to 1500rpm
- Stainless steel with ceramic coating work plate provides high chemical resistant performance
- External temperature control is possible by connecting temperature sensor(PT1000) with an accuracy at ±0.2°C
- LED display shows temperature and stirring speed
- "HOT" warning flashes if work plate temperature is above 50°C

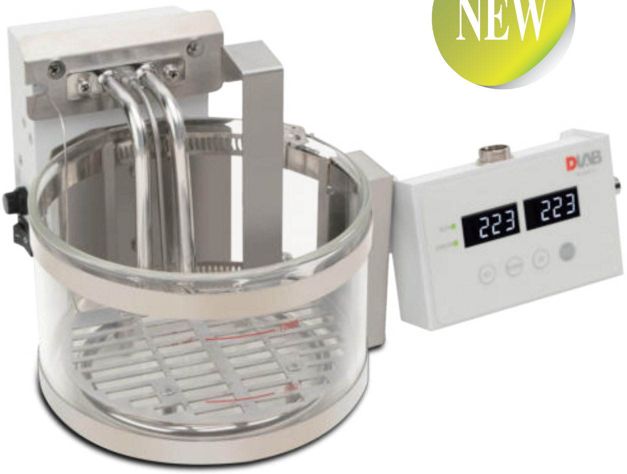
Specifications	MS-H-Pro^{A}	MS-H-PRO^{+}	MS-H-PRO^{T}	MS-H-S	MS-H380-Pro	MS-H280-Pro
Work plate Dimension [W x D]	Ø135mm（5 inch)	Ø135mm（5 inch)	Ø135mm（5 inch)	Ø135mm（5 inch)	140x140mm	Ø135mm（5 inch)
Work plate material	Aluminum cover with ceramic coating	stainless steel cover with ceramic coating	stainless steel cover with ceramic coating	stainless steel cover with ceramic coating	Aluminum cover with ceramic coating	Aluminum cover with ceramic coating
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring positions	1	1	1	1	1	1
Max. stirring quantity, [H_2O]	20L	20L	20L	20L	5L	3L
Max. magnetic bar [length]	80mm	80mm	80mm	80mm	50mm	50mm
Speed range	100-1500rpm resolution ±1rpm	100-1500rpm resolution ±1rpm	100-1500rpm resolution ±1rpm	0-1500rpm	200-1500rpm	200-1500rpm
Speed display	LCD	LCD	LCD	Scale	LCD	LED
Temperature display	LCD	LCD	LCD	Scale	LCD	LED
Heating temperature range	Room temp.-340°C，increment 1°C	Room Temp.-340°C, increment 1°C	Room Temp.-340°C, increment 1°C	Room Temp.-340°C	Room Temp-380°C	Room Temp-280°C
Heating liquid temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)	-	±1°C(<100°C) ±1%(>100°C)	±1°C (<100°C) ±1% (>100°C)
Overheating temperature protection	420°C	420°C	420°C	420°C	420°C	320°C
Temperature display accuracy	±0.1°C	±0.1°C	±0.1°C	-	±0.1°C	±1°C
External temperature sensor	PT1000 (accuracy±0.2°C)	PT1000 (accuracy±0.2°C)	PT1000 (accuracy ±0.2°C)	-	PT1000 (accuracy±0.2°C)	PT1000 (accuracy±0.2°C)
"Hot" warning	50°C	50°C	50°C	-	-	50°C
Data connector	RS232	RS232	RS232	-	-	-
Protection class	IP21	IP21	IP21	IP21	IP21	IP42
Timer function	1min to 99h59min	-	1min to 99h59min	-	-	-
Motor rating output	10W	10W	10W	10W	1.8W	3W
Power	720W	550W	550W	530W	510W	515W
Heating output	600W	500W	500W	500W	500W	500W
Voltage,Frequency	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz
Dimension [WxDxH]	280x160x100mm	160x280x100mm	160x280x100mm	160x280x100mm	320x180x108mm	150x260x100mm
Weight	2.8kg	2.8kg	2.8kg	2.8kg	2.2kg	1.8kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH	5-40°C,80%RH	5-40°C,80%RH	5-40°C,80%RH	5-40°C,80%RH



TB-H240-V1

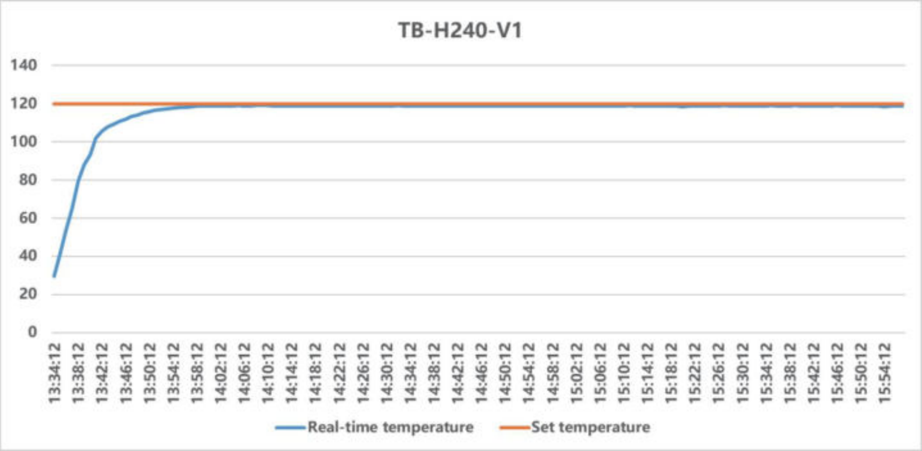
Constant temperature bath

NEW



Advantages

Efficient Heat Transfer Performance: Equipped with high-quality heating elements, temperature sensors, and intelligent PID temperature control technology, ensuring uniform and rapid heating.
1L silicone oil, set at 120°C, 500rpm, with a heating rate of 3.1°C/min, as shown in the temperature curve below.



Transparent Glass Bath: Good transparency for easy observation of the changes in the state of the reactants.

Precise Temperature Control: Optional magnetic stirrer for improved temperature uniformity within the bath, ensuring accurate temperature control.

Remote Operation: The operating unit (controller) is separated from the main unit, allowing safe operation up to a maximum distance of 1m (cable length). For example, the equipment can be used in narrow spaces (e.g., fume hoods or ventilation areas), while the controller remains unaffected by smoke and other contaminants.

Safety Guard Design: The bath comes with a protective guard mounted on a stand, preventing direct contact between the heating vessel and the instrument's heating tube, thus preventing potential hazards. It also helps to place beakers or other containers, making them less likely to tip over.

Safety Protection Functions:

1.Over-temperature Protection: If overheating occurs or the sensor malfunctions, the machine will display an error and stop heating.

2.Overcurrent Protection: In the case of a short circuit, the machine will automatically cut off the power supply to ensure operator safety.

3.Equipped with a safe grounding fault protection design.

Temperature Calibration Function: Features automatic temperature calibration and a factory reset function.

Ease of Operation: Simple design with an intuitive interface, making it easy for users to set and adjust the temperature.

Application

Pharmaceuticals, pesticides, fragrances, dyes, pigments, additives, fibers, petrochemicals, pharmacy, physics, chemistry, industrial chemistry, polymers, functional molecules, applied chemistry, and other fields.

specifications	TB-H240-V1
Glass bath tub size	Ø150×100mm
Temperature display	LED
Heating temperature range	25-240℃
The temperature control accuracy of heated liquids.	±0.5℃
Overheat protection.	280℃
Temperature display accuracy	0.1℃
External temperature sensor	PT1000
Protection Class	IP21
power	360W
Heating power	350W
Voltage,Frequency	100-120/200-240V,50/60Hz;
Dimension [WxDxH]	310×220×135mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40℃，80%RH

MS-H220-V3/
MS-H220-V5

LCD Digital Heating Magnetic Stirring Bath

NEW

Features

- High borosilicate glass liner, resistant to sudden changes from hot to cold without breaking, transparent glass window for monitoring reaction product changes; stainless steel base, rust-resistant, easy to clean; high-temperature resistant protective outer shell to prevent direct contact with hot glass and burns.
- Dual-use stirring bath for water and oil, with secondary stirring in the bath pot. The stirring of the bath liquid simultaneously stirs the liquid sample in the flask, ensuring uniform heating of both bath liquid and sample.
- Safety lock to prevent accidental changes inoperational status.
- Buzzer: A “beep beep beep” alert sounds when the countdown timer function ends. Button tone.
- Features a timer function with a range of 1 min to 99h59min. It stops heating when the countdown ends but continues stirring to prevent heat damage to the sample.
- Touch buttons with audible prompts.
- Working status indicator light: Green during operation, flashing green before reaching set temperature; alarm red.
- Reversible function.
- Protection features: dry burning protection, overcurrent protection, ground fault protection, and overtemperature protection.
- Residual heat warning function. When the plate temperature is above 50°C , heating is turned off, and the screen flashes “HOT” as a reminder of the high temperature even after the power is off.
- Two independent safety circuits continuously monitor the device. In case of overheating, sensor failure, or circuit short, the machine will error report and stop heating or automatically cut off power to ensure operator safety.
- DC brushless motor, spark-free, long life; low noise,maintenance-free, stable operation.
- LCD displays speed, time, and temperature parameters clearly and intuitively.

Specifications	MS-H220-V3	MS-H220-V5
Heating pan material	High borosilicate glass + stainless steel base	High borosilicate glass + stainless steel base
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H_2O]	3L	5L
Max. magnetic bar [length]	40mm	40mm
Speed range	100~1500rpm，±10rpm	100~1500rpm，±10rpm
Speed display	LCD	LCD
Temperature display	LCD	LCD
Heating temperature range	Room Temp.-220℃	Room Temp.-220℃
Heating liquid temperature control accuracy	±1℃	±1℃
Overheating temperature protection	350℃	350℃
Temperature display accuracy	0.1℃	0.1℃
External temperature sensor	PT1000	PT1000
“Hot” warning	50℃	50℃
Buzzer	Yes	Yes
Positive and negative rotation	Yes	Yes
Protection class	IP21	IP21
Motor rating output	20W	20W
Heating output	800W	1250W
Power	850W	1300W
Voltage,Frequency	100-120V/200-240V, 50/60Hz	100-120V/200-240V, 50/60Hz
Bath size	Ø220×105mm	Ø240×135mm
Maximum flask volume can be placed	3L	5L
Dimension [WxDxH]	283×343×215mm	283×343×228mm
Weight	6.0kg	6.7kg
Timer function	1min-99h59min	1min-99h59min
Permissible ambient temperature and humidity	5-40℃, 80%RH	5-40℃, 80%RH

MS7-H280-G

LCD Digital Control 7-Inch Infrared Heating Magnetic

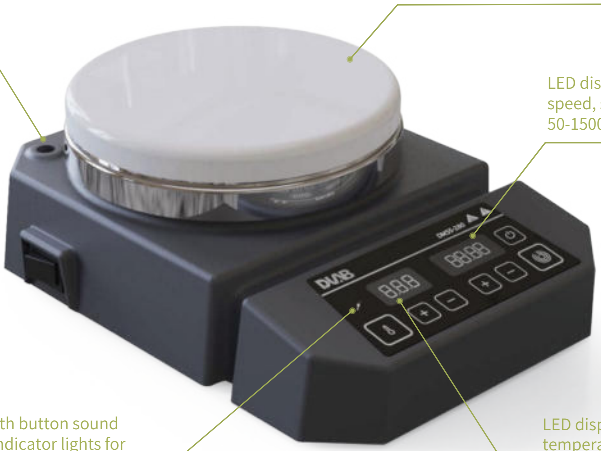
Features

- Microcrystalline Glass Surface, High flatness, scratch-resistant, corrosion-resistant, and easy to clean.
- Full Coverage Infrared Heating Element, even heat distribution, fast response, quick heating speed, high efficiency, and minimal overshoot.
- Overheat Protection: ensures safe heating throughout the process.
- “Hot” warning flashes if plate temperature is above 50°C even when hotplate isturned off to prevent burns.
- Liquid Drainage Groove: Located above the control panel to prevent corrosion of the equipment, even if liquid splashes.
- LCD Display: Quickly set heating temperature, stirring speed, and other parameters.
- Brushless DC Motor: Spark-free, strong stirring power.
- Maximum Adjustable Speed: 1500 rpm; Maximum adjustable temperature: 280°C.
- External PT1000 Temperature Sensor: Improves temperature control accuracy to ±0.2°C.
- RS232 Interface: Can connect to a computer for remote control and data saving.

Specifications	MS7-H280-G
Work plate Dimension [W x D]	180mm×180mm
Work plate material	Microcrystalline Glass
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity, [H_2O]	20L
Max. magnetic bar[length]	80mm
Speed range & accuracy	100-1500rpm，±10rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room Temp.-280°C，increment 1°C
Temperature control accuracy	±1°C（<100°C），±1%（>100°C）
Overheating protection	340°C
Temperature display accuracy	0.1°C
External temperature sensor	PT1000（accuracy ±0.2°C）
"Hot" warning	50°C
Data connector	RS232
Protection class	IP21
Motor rating output	10W
Power	920W
Heating output	900W
Voltage,Frequency	100-120/200-240，50/60Hz
Dimension [WxDxH]	215×360×112mm
Weight	3.7 kg
Permissible ambient temperature and humidity	5-40°C，80%RH

DMS5-280/DMS5-120

LED Digital Display Heating Magnetic Stirrer



Dual temperature sensor bracket design,adjusting PT1000 at various angles to prevent interference.

Ceramic-coated aluminum disc surface, fast heat transfer, corrosion-resistant, and wear-resistant.

LED displays the rotation speed, speed range: 50-1500 rpm.

Touch panel with button sound prompts, and indicator lights for temperature and speed operation.

LED displays the temperature, temperature range: room temperature to 280°C.

NEW

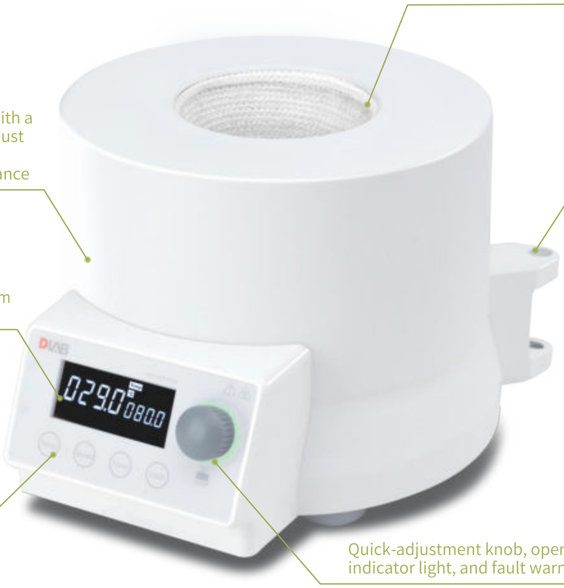
Features

- LED precisely displays temperature and speed.
- Minimum speed starts at 50 rpm, with smooth operation.
- Residual heat warning: When the disc surface temperature exceeds 50°C, heating is turned off, and the screen will flash "HOT" as a reminder. Even if the power is turned off, the display will continue to flash "HOT" to indicate high temperature.
- Strong magnetic force.

Specifications	DMS5-280	DMS5-120
Power Supply [VAC/Hz]	100-120V/200-240V，50/60Hz	100-120V/200-240V，50/60Hz
Power [W]	610W	610W
Stirring positions	1	1
Max. stirring quantity, (H2O) [L]	5L	5L
Max. magnetic bar length [mm]	40mm	40mm
Motor type	Brushless DC motor	Brushless DC motor
Motor rating input [W]	5W	5W
Motor rating output [W]	3W	3W
Speed range [rpm]	50－1500；increment：10rpm	50－1500；increment：10rpm
Speed display	LED	LED
Work plate material	Aluminum with ceramic coating	Aluminum with ceramic coating
Work plate Dimension [mm]	Ø135mm	Ø135mm
Heating output [W]	600W	600W
Heating temperature range [°C]	Room Temp.-280°C	Room Temp.-120°C
Temperature display	LED	LED
Temperature display accuracy [°C]	±1°C	±1°C
Overheating protection [°C]	320°C	320°C
External temperature sensor	PT1000	PT1000
External temperature sensor temperature control accuracy [°C]	±0.2°C	±0.2°C
"Hot" warning	50°C	50°C
Dimension [W×D×H] [mm]	260mm×150mm×100mm	260mm×150mm×100mm
Weight [kg]	1.8kg	1.8kg
Permissible ambient temperature and humidity [°C]	5—40, 80%RH	5—40, 80%RH
Protection class	IP21	IP21

MS-H380-F100/250/500/1000/2000

LCD Digital Magnetic Stirrer Heating Mantle



Inner layer of fiberglass, high-quality aluminum silicate wool insulation; provides even heating, high-temperature resistance, fast heating, and excellent thermal insulation

Integrated metal casing with a powder-coated finish; robust and stable structure with excellent corrosion resistance

Dual temperature sensor bracket design

LCD display
Temperature: Room temperature-380°C，±1°C
Speed：100-1500rpm，±10rpm
Timer：1min-99h59min

Touch panel with temperature, speed, and time settings, plus a safety lock.

Quick-adjustment knob, operation status indicator light, and fault warning light.

Heating Mantle model	MS-H380-F100	MS-H380-F250	MS-H380-F500	MS-H380-F1000	MS-H380-F2000
Picture					
Flask specifications	100mL	250mL	500mL	1000mL	2000mL
Heating Mantle Inner Diameter	70mm	90mm	115mm	142mm	181mm

Featurare

- Integrated metal housing with powder coating; robust and stable structure, corrosion-resistant.
- Glass fiber inner sleeve and high-quality aluminum silicate wool insulation ensure uniform heating, high-temperature resistance, fast heating, and excellent thermal insulation.
- Dual independent safety circuit design continuously monitors the device. In case of overheating or sensor failure, the machine will trigger an error and stop heating. In case of a short circuit, the machine will automatically cut off power to ensure operator safety.
- Residual heat warning function: when the plate surface temperature exceeds 50°C, after heating is turned off, the screen will flash a "HOT" warning.
- Protection features: overcurrent protection, ground fault protection, and over-temperature protection.
- Brushless DC motor: spark-free, long lifespan, low noise, maintenance-free, and stable operation.
- Safety lock prevents accidental changes in operating status.
- Multiple flask volume options: 100, 250, 500, 1000, 2000 mL.
- Dual-side bracket design allows convenient placement of reaction flasks and PT1000 sensors from different angles.
- LCD display shows speed, time, and temperature parameters clearly and intuitively.
- Data communication: RS232 interface.
- Buzzer alert: countdown timer end is indicated by a "beep-beep-beep" sound.
- Timer function: time range from 1 minute to 99 hours 59 minutes. Heating stops when countdown ends, but stirring continues to avoid sample damage from residual heat.
- Operating status indicator lights:Green is Reached to set temperature； Blinking green is heating to set temperature； Red is fault/alarm.

Application Scenarios

Organic synthesis, polymerization, distillation and purification, sample dissolution and extraction, sample pretreatment before analysis, catalytic reaction kinetics research, etc.

Target Customers

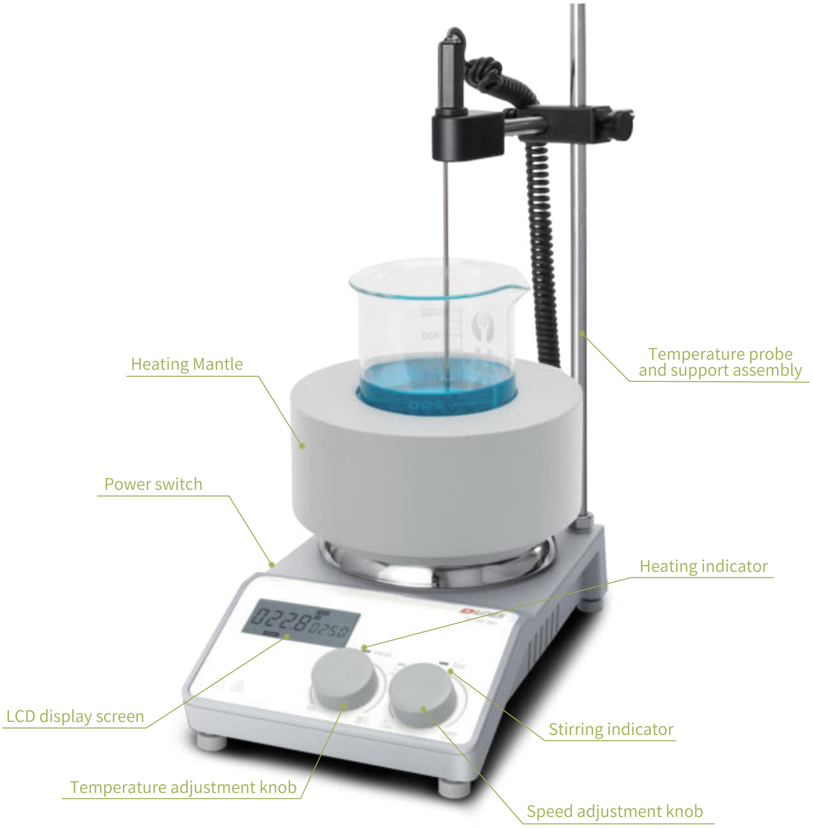
Technicians in chemical, biological, pharmaceutical, and materials enterprises; researchers in universities and research institutes; quality control analysts in laboratories related to pharmaceuticals, food, environmental protection, etc.

Specification

Specification	MS-H380-F100	MS-H380-F250	MS-H380-F500	MS-H380-F1000	MS-H380-F2000
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Speed range	100-1500rpm	100-1500rpm	100-1500rpm	100-1500rpm	100-1500rpm
Speed control accuracy	±10rpm	±10rpm	±10rpm	±10rpm	±10rpm
Speed display	LCD	LCD	LCD	LCD	LCD
Temperature display	LCD	LCD	LCD	LCD	LCD
Temperature control range	25-380°C	25-380°C	25-380°C	25-380°C	25-380°C
Timer function	1min-99h59min	1min-99h59min	1min-99h59min	1min-99h59min	1min-99h59min
“Hot” warning	50°C	50°C	50°C	50°C	50°C
Data connector	RS232	RS232	RS232	RS232	RS232
Overheating protection	500°C	500°C	500°C	500°C	500°C
Temperature display accuracy	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C
Temperature control accuracy	±1°C(<100°C), 1%(>100°C)	±1°C(<100°C), 1%(>100°C)	±1°C(<100°C), 1%(>100°C)	±1°C(<100°C), 1%(>100°C)	±1°C(<100°C), 1%(>100°C)
External temperature sensor	PT1000 (accuracy±0.2°C)	PT1000 (accuracy±0.2°C)	PT1000 (accuracy±0.2°C)	PT1000 (accuracy±0.2°C)	PT1000 (accuracy±0.2°C)
Protection class	IP21	IP21	IP21	IP21	IP21
Motor output power	5W	5W	5W	5W	5W
Heating power	110W	150W	330W	430W	630W
Power	130W	170W	350W	450W	650W
Voltage, Frequency	100-120V,60 Hz; 200-240V,50Hz	100-120V,60 Hz; 200-240V,50Hz	100-120V,60 Hz; 200-240V,50Hz	100-120V,60 Hz; 200-240V,50Hz	100-120V,60 Hz; 200-240V,50Hz
Dimension [WxDxH]	267×227×169mm	267×227×169mm	267×227×169mm	302×260×189mm	337×300×214mm
Weight	3.8Kg	3.8Kg	3.8Kg	4.7Kg	6.1kg
Permissible ambient temperature	5-40°C	5-40°C	5-40°C	5-40°C	5-40°C
Permissible ambient humidity	80%	80%	80%	80%	80%
Compatible containers	100mL、250mL、 500mL 、1000mL、2000mL round bottom flasks				

MS-H280-B100/250/500/1000& MS-H280-F100/250/500/1000

LCD Digital Magnetic Stirrer with Electric Heating Mantle


Heating Mantle
Temperature probe and support assembly
Power switch
Heating indicator
LCD display screen
Stirring indicator
Temperature adjustment knob
Speed adjustment knob

Heating Mantle model	HB100	HB250	HB500	HB1000	HF100	HF250	HF500	HF1000
Picture								
Specification	Beaker	Beaker	Beaker	Beaker	Flask	Flask	Flask	Flask
Capacity	100mL	250mL	500mL	1000mL	100mL	250mL	500mL	1000mL
Heating Mantle Inner Diameter	54.75mm	72.75mm	89.75mm	118.75mm	72.75mm	89.75mm	118.75mm	144.75mm

Advantages

- The smart magnetic stirrer can be flexibly set up with inter-changeable heating sleeves for 100mL, 250mL, 500mL, 1000mL round-bottom flask, or 100mL, 250mL, 500mL, 1000mL flat bottom beakers.
- Even more flexible configurations: as one heating magnetic stirrer, or as one heating sleeve plus one magnetic stirrer.
- Temperature self calibration function for higher temperature accuracy.
- Heating sleeve made of high-quality Aluminum silicate fiber cotton with accurate temperature control, uniform heating and corrosion resistance.
- Strengthened magnetic fields with enhanced stirring power.
- Fireproof metal outcast with higher safety level.
- Explosion-proof DC brushless motor free of maintenance and spark, and with long service life.
- The “HOT” warning will flash if the work plate temperature is above 50°C even when the hotplate is turned off, as long as the power cable is connected.
- Two independent safety circuits are designed to continuously monitor the equipment. When the sensor malfunctions and overheating occurs, an error code will be generated and the stirrer will stop heating. When the first safety circuit is shorted, the second safety circuit will cut off the power supply to ensure the safety of the operator

Applications

Magnetic stirrer with heating sleeve is a very popular product for laboratories in scientific research, industry and mining, food processing, biochemistry, agriculture, petrochemical, pharmaceutical, and educational aspect. It is used for heating and incubation of liquids at a certain temperature. It provides fast and uniform heating with highly precise temperature control and strong stirring power. It can serve as a magnetic stirrer with heating sleeve, or as a magnetic stirrer and a heating sleeve .

Specification

Model number	MS-H280-B100/250/500/1000	MS-H280-F100/250/500/1000
Motor type	Brushless DC motor	Brushless DC motor
Speed range [rpm]	200-1500rpm	200-1500rpm
Speed control accuracy [rpm]	±20rpm	±20rpm
Speed display	LCD	LCD
Temperature display	LCD	LCD
Temperature control range [°C]	25-280°C	25-280°C
“Hot” warning	50°C	50°C
Overheat protection [°C]	420°C	420°C
Temperature display accuracy [°C]	±0.1℃	±0.1℃
Heating liquid temperature control accuracy	±1℃(<100℃)，±1%(>100℃)	±1℃(<100℃)，±1%(>100℃)
External temperature sensor	PT1000（accuracy ±0.2℃）	PT1000（accuracy ±0.2℃）
Protection class	IP21	IP21
Motor output power [W]	1.8W	1.8W
Heating power [W]	210W/240W/380/440W	210W/240W/380/440W
Voltage, Frequency	100-120V,60Hz;200-240V,50Hz	100-120V,60Hz;200-240V,50Hz
Dimension [WxDxH]	295X160X160mm	295X160X160mm
Weight	3.7Kg	3.7Kg
Permissible ambient temperature	5-40°C	5-40°C
Permissible ambient humidity	80%	80%
Compatible containers	100mL、250mL、500mL、1000mL flat bottom beakers	100mL、250mL、 500mL、1000mL round bottom flasks

MS-H340-S4

LCD 4-Channel Digital Magnetic Hotplate Stirrer

It is widely used in chemical synthesis, physical and chemical analysis, bio pharmaceuticals etc.

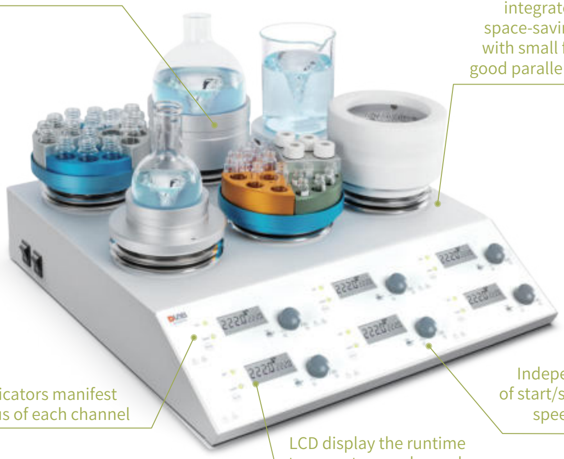
Features

- Independent heating and stirring control for each position
- LCD display shows real-time temperature and speed
- PID controller ensures a precise and stable heating process (maximum temperature up to 340°C)
- Brushless DC motor is quiet, reliable & maintenance free, and provides more powerful speed control
- External temperature sensor (PT1000) with accuracy 0.2°C
- Overheating protection temperature at 420°C
- Stainless steel work plate with ceramic coating provides good chemical resistance
- Wide variety of accessories available to choose from

Specifications	MS-H340-S4
Work plate dimension	Ø135mm(5inch) x4
Plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	4
Max. stirring quantity of single position (H_2O)	10L x 4
Max. magnetic bar	40mm
Speed range	200-1500rpm
Speed display	LCD
Temperature display	LCD
Control accuracy of sensor	±20rpm
Temperature range	25-340°C
Over temperature protection	420°C
Heating liquid control accuracy	±1°C(<100°C), ±1%(>100°C)
Temperature display accuracy	±0.1°C
External temperature sensor	PT1000(accuracy±0.2°C)
IP Protection class	IP20
Motor output power	1.8Wx4
Power	515Wx4
Heating Power	500Wx4
Voltage,Frequency	100-120V,60Hz; 200-240V,50 Hz
Dimensions[WxDxH]	698x270x128mm
Weight	9.5kg
Permissible ambient temperature	5~40°C
Permissible relative humidity	80%RH

MS-H280-S4/ MS-M-S4/ MS-H280-S6/ MS-M-S6

4/6 Channel LCD Digital Hotplate Magnetic Stirrer



Compatible with various heating blocks

Multiple work plates integrated into one space-saving instrument with small foot print, and good parallel and uniformity

Indicators manifest status of each channel

Independently control of start/stop, temperature, speed and display

LCD display the runtime temperature and speed, or the settings

Features

- 4/6 channels with independently control of start/stop, temperature, speed and display for better parallel experiment control.
- Ceramic coating aluminum work plate with fast heat transmission and strong resistance to corrosion.
- Powerful, rapid heating with accurate PID temperature control
- Spark-free DC brushless motor with extended life and no maintenance
- Compatible with various heating block or reaction vessels for a variety of application scenario
- Ultra space-saving with 4/6 channel integrated in one instrument
- “HOT” warning flashes on the LCD display if the work plate temperature is above 50°C after the user turn off the power switch.
- Two independent safety circuits keep monitoring the instrument. When overheating is detected and the sensor malfunctions, it will stop heating and sound alarm; When short circuit is detected, it will cut off the power to ensure the human safety.
- Reliable safety mechanism, compliant to IEC61010-1\UL61010-1\BSEN61010-1\CAN\CSA-C22.2NO.61010-1 and all other safety regulations of laboratory heating devices, competent with tasks without human surveillance.

Applications

The 4/6 channel hotplate magnetic stirrers are designed for parallel experiment and multiple parameter optimization, thus can serve as handy tools for Kjeldahl nitrogen determination, Soxhlet extraction and parallel synthesis, etc. They are ideal choices for test laboratories in food, animal feed, textile, soil, sewage, water treatment, pharmaceutical, polymerization, petroleum products, resin and plastic sectors. The user can handle 4 or 6 tests at the same time with stable performance, good reproducibility, high accuracy and easy operation.

MS-H280-S4

MS-H280-S6

MS-M-S4

MS-M-S6

The design of 4/6 channel hotplate magnetic stirrers aim to turn your laboratory into a space-saving, safe, highly efficient, tidy and neat benchmark among peers. They are well recognized by higher education, pharmaceutic manufacturer, biotech company, research institute and food manufacturer as an eco-friendly magnetic stirrer for synthesis.

Specifications	MS-H280-S4	MS-M-S4	MS-H280-S6	MS-M-S6
Work plate dimension	Ø134mm	Ø134mm	Ø134mm	Ø134mm
Work plate material	Aluminum with ceramic coating	Aluminum with ceramic coating	Aluminum with ceramic coating	Aluminum with ceramic coating
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Motor rating output	5WX4	5WX4	5WX6	5WX6
Heating power	600WX4	-	600WX6	-
Total power	605WX4	5WX4	605WX6	5WX6
Voltage, Frequency	100-120V,60Hz; 200-240V,50Hz	100-240V,50/60Hz	100-120V，60Hz; 200-240V,50Hz	100-240V,50/60Hz
Stirring positions	4	4	6	6
Max. stirring quantity (H_2O)	3LX4	3LX4	3LX6	3LX6
Max. stirring quantity (H_2O) per channel	3L	3L	3L	3L
Max. magnetic bar [length]	40mm	40mm	40mm	40mm
Speed range	200-1500rpm	200-1500rpm	200-1500rpm	200-1500rpm
Speed control accuracy [rpm]	±20	±20	±20	±20
Speed display	LCD	LCD	LCD	LCD
Temperature display	LCD	LCD	LCD	LCD
Heating temperature range	25-280°C	-	25-280°C	-
Overheating protection	420°C	-	420°C	-
Temperature display resolution	0.1°C	-	0.1°C	-
Temperature control accuracy	±1°C(<100°C), ±1%(>100°C)	-	±1°C(<100°C), ±1%(>100°C)	-
External temperature sensor	PT1000 (accuracy±0.2°C)	-	PT1000 (accuracy±0.2°C)	-
IP protection class	IP21	IP21	IP21	IP21
Dimensions (WxDxH)	701X265X127mm	701X265X127 mm	564X523X127 mm	564X523X127 mm
Weight	8.7Kg	8.7Kg	12.7Kg	12.7Kg
Permissible ambient temperature and humidity	5~40°C, 80% RH	5~40°C, 80% RH	5~40°C, 80% RH	5~40°C, 80% RH

MS-H-S10

10-Position Magnetic Hotplate Stirrer

Specifications	MS-H-S10
Work plate dimension[W x D]	180x450mm
Work Plate material	Aluminum
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity	0.4Lx10
Max. magnetic bar [length]	40mm
Speed range	0-1100rpm
Speed display	scale
Temperature display	scale
Heating temperature range	Room temp.-120°C
Over temperature protection	140°C
IP Protection class	IP20
Motor rating output	4W
Power	490W
Heating Powe	470W
Voltage,Frequency	100-120/200-240V，50/60Hz
Dimensions[WxDxH]	182×622×65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Features

- Maintenance-free brushless DC motor °C
- Maximum speed 1100rpm
- Maximum temperature of work plate up to 120°C
- Stainless steel work plate, Covered with silicone cushion, provide excellent of heating uniformity and skid resistance

Skid resistance

Multiple position

Brushless DC motor

HP500-Pro

LCD Digital Hotplate

Features

- LCD screen shows temperature, Max. temperature up to 500°C
- 10-inch glass ceramic work plate provides excellent chemical-resistant performance and most efficient heat transfer
- External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at ±0.2°C
- The "HOT" warning will flash if the work plate temperature is above 50°C even when the hotplate is turned off
- Heating temperature: room temperature -500°C.
- Data connector : The SD card records the instrument's running data in real time.
- Timing function: the running time of the instrument can be set.

Specifications	HP500-Pro
Work plate Dimension [W x D]	254x254mm（10 inch）
Work plate material	Glass ceramic
Heating position	1
Heating temperature range	Room Temp.-500°C, increment 1°C
Temperature control accuracy	±1°C (<100°C)±1%(>100°C)
Safety temperature	540°C
Temperature,time display	LCD
Timer function	1min-99h59min
Temperature display accuracy	±0.1°C
External temperature sensor	PT1000(±0.2°C)
"Hot" warning	50°C
Protection class	IP20
Power	1700W
Heating output	1500W
Voltage,Frequency	100-120/200-240V，50/60Hz
Dimension[WxDxH]	328x424x138mm
Weight	7.2kg
Permissibleambient temperature and humidity	5-40°C，80%RH

HP550-S

LED Hotplate

Specifications	HP550-S
Work plate Dimension [W x D]	184x184mm (7 inch)
Work plate material	Glass ceramic
Heating position	1
Heating temperature range	Room Temp.-550°C, increment 5°C
Control accuracy of work plate	±10°C
Safety temperature	580°C
Temperature display	LED
Temperature display accuracy	±1°C
External temperature sensor	PT1000 (accuracy±0.2°C)
Heating warning	50°C
Protection class	IP21
Power	1010W
Heating Power	1000W
Voltage,Frequency	100-120/200-240V，50/60Hz
Dimension[WxDxH]	215x360x112mm
Weight	4.5kg
permissible ambient temperature and humidity	5-40°C,80%RH

Features

- LED screen display actual and accurate temperature
- Maximum temperature up to 550°C
- Separate safety circuits with safety temperature of 580°C
- External temperature control is possible by connecting temperature sensor (PT 1000) with an accuracy of ±0.2°C
- Work plate provides excellent chemical-resistant performance and most efficient heat transfer
- “HOT” warning flashes when the workplate temperature is above 50°C

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HP380-Pro

LCD Digital Hotplate

Features

- Maximum heating temperature is 380 °C
- High resolution LCD displays actual temperature
- Aluminum ceramic coating work plate, allowing a immediate heat transfer
- External temperature control is possible with temperature sensor PT1000

Specifications	HP380-Pro
Work plate Dimension [W x D]	140x140mm (6 inch)
Work plate material	Aluminum cover with ceramic coating
Heating position	1
Heating temperature range	Room temp.-380°C increment 1°C
Over heat Protection	420°C
Temperature,time display	LCD
Temperature display accuracy	±1°C
External temperature sensor	PT1000(±0.2°C)
Protection class	IP21
Power	510W
Heating output	500W
Voltage,Frequency	100-120/200-240V，50/60Hz
Dimension[WxDxH]	180x320x108mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

MS-S

Magnetic Stirrer

MS7-S

7" Square Magnetic Stirrer

- Speed range of 0-1500rpm
- Maximum stirring quantity of H_2O up to 10L
- Ceramic work plate provides excellent corrosion resistance

MS6-Pro

LCD Digital Magnetic Stirrer

- High resolution LCD displays actual stirring speed
- Brushless DC motor is maintenance free
- Aluminum covered ceramic coating，corrosion resistant and easy to clean
- Digital speed control up to 1500rpm
- Maximum stirring quantity of H_2O at 5L

MS7-S

MS-S

MS6-Pro

Specifications	MS7-S	MS-S	MS6-Pro
Work plate Dimension [W x D]	184x184mm (7 inch)	Ø135mm（5 inch）	140x140mm
Work plate material	Glass ceramic	Stainless steel cover with ceramic	Aluminum cover with ceramic coating
Motor type	Shaded pole motor	Brushless DC motor	Brushless DC motor
Stirring positions	1	1	1
Max. stirring quantity[H_2O]	10L	20L	5L
Max.magnetic bar[length]	80mm	80mm	40mm
Speed range	0-1500rpm	0-1500rpm	200-1500rpm
Speed display	Scale	Scale	LCD
Protection class	IP21	IP21	IP21
Motor output Power	1.5W	10W	1.8W
Power	30W	30W	10W
Voltage,Frequency	100-120/200-240V，50/60Hz	100-240V，50/60Hz	100-240V，50/60Hz
Dimension[WxDxH]	215x360x112mm	160x280x85mm	320x180x108mm
Weight	3.8kg	2.8kg	2.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

MS-PA

LED Digital Magnetic Stirrer

MS-PB

Magnetic Stirrer

Features

- Digital speed control within the range of 0-1500rpm
- Maximum stirring quantity of H_2O at 3L
- LED display shows stirring speed （MS-PA）

Specifications	MS-PA	MS-PB
Work plate Dimension	Ø135mm（5 inch）	Ø135mm（5 inch）
Work plate material	Nylon+GF	Nylon+GF
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity[H_2O]	3L	3L
Max.magnetic bar[length]	50mm	50mm
Speed range	200-1500rpm	0-1500rpm
Speed display	LED	scale
Protection class	IP42	IP42
Motor output Power	3W	3W
Power	15W	10W
Voltage,Frequency	100-240V，50/60Hz	100-240V，50/60Hz
Dimension[WxDxH]	150x260x80mm	150x260x80mm
Weight	1.8kg	1.8kg
Permissibleambient temperature and humidity	10-40°C,80%RH	5-40°C,80%RH

Strong magnetism

Chemical resistance

LED display

MS-T-S15

15-Position magnetic stirrer

Features

- LCD display for precise speed and time control.
- Maintenance free DC brushless motor for long life and high stirring power.
- Aluminum laser engraving work plate surface, anti-abrasive, skid and corrosion proof
- Strong magnets ensure fast and intense stirring
- 15 stirring positions are divided into 3 independent groups and each group can be controlled respectively at different speeds and with different timer settings.
- Buzzer function： When the time countdown ends, the buzzer will remind the user by sound.

Specifications	MS-T-S15
Work plate Dimension [WXD]	460x304mm
Work plate material	Aluminum
Motor type	DC brushless
Stirring positions	15
Max. stirring quantity [H_2O]	0.4Lx15
Max. magnetic bar[length]	40mm
Speed control accuracy	±10rpm
Speed、Time display	LCD
Speed range	100-1500rpm
Timer function	1min-99h59min
Protection class	IP21
Power	54W
Voltage ,Frequency	100-240V，50Hz/60Hz
Dimension [DxWxH] [mm]	615x307x90mm
Weight	9.2kg
Permissible ambient temperature and humidity	5-40°C，80%RH

0.4Lx15

100-1500rpm

Timer

Skid resistance

Multiple position

Brushless DC motor

MS-M-S10

10-Position Magnetic Stirrer

Specifications	MS-M-S10
Work plate Dimension [W x D]	180×450mm
Work plate material	Aluminum
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity[H_2O]	0.4Lx10
Max.magnetic bar[length]	40mm
Speed range	0-1100rpm
Speed display	Scale
Protection class	IP20
Motor output Power	4W
Power	20W
Voltage,Frequency	100-120/200-240V，50/60Hz
Dimension[WxDxH]	622x205x65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Features

- Efficient, simple and safe stirring
- High performance and space-saving design to maximize the use of benchtop space and saving time by stirring multiple solutions
- Maintenance-free brushless DC motor
- Speed range 0-1100rpm
- Stainless steel work plate covered with silicone cushion, provides excellent performance of skid resistance

Skid resistance

Multiple position

FlatSpin

Ultra-flat Compact Magnetic Stirrer

With excellent stirring functionality, the compact shape of FlatSpin takes less bench space and makes storage easier.

FlatSpin
DLAB

Specifications	FlatSpin
Work plate Dimension	Ø90mm
Work plate material	PET
Stirring positions	1
Max. stirring quantity[H_2O]	0.8L
Max.magnetic bar[length]	40mm
Speed range	15-1500rpm
Protection class	IP21
Output Power	3W
Power	5W
Voltage,Frequency	100-240V，50/60Hz
Dimension[WxDxH]	175x120x15mm
Weight	0.3kg
Permissibleambient temperature and humidity	5-40°C,80%RH

Features

- Speed range 15 to 1500rpm
- Automatic reverse rotation for excellent mixing
- PET top work plate provides excellent chemical resistance
- Motorless technology provides ultra silent and vibration-free operation
- Perfect magnetic stirrer for use during titration (bottle-top burette) in analytical chemistry

EcoStir

Economical Magnetic Stirrer

EcoStir is a magnetic stirrer customized for liquid mixing, suitable for chemical analysis, biology reagent mixing, regular laboratory experiments and liquid handling.

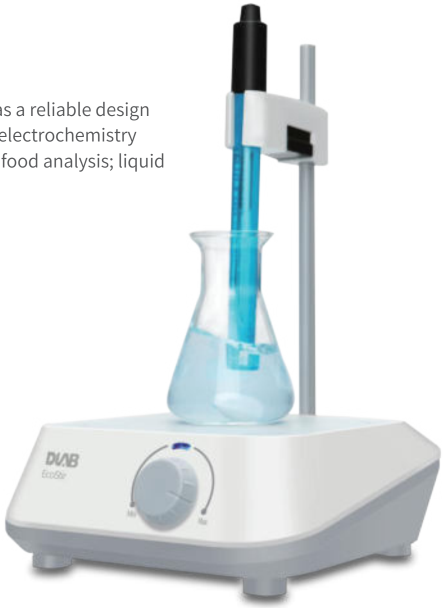
Features

- Maintenance free brushless DC motor
- Rare earth magnets give powerful stirring
- Stepless speed regulation 300-2000rpm
- Ultra silence and vibration-free design
- PET top provides excellent chemical resistance
- Shaft can be fitted with a pH sensor or other sensors for different purposes

EcoStir

Square Plate Magnetic Stirrer

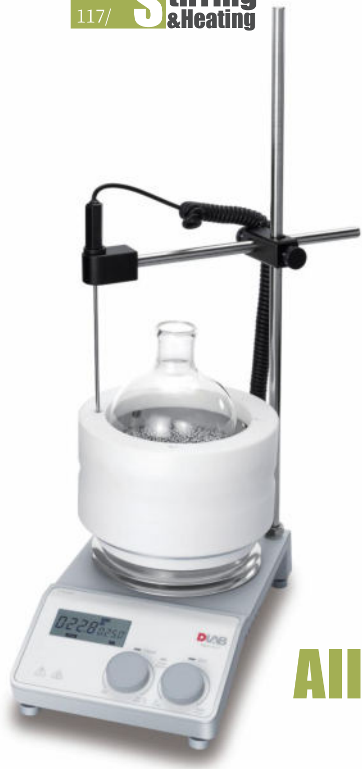
DLAB Square Plate Magnetic Stirrer with electrode holder has a reliable design and a powerful stirring ability. It is a basic and ideal tool for electrochemistry measurements or water & environment monitoring; drug or food analysis; liquid culture mixing, etc.



Features

- Compact design with small footprint, 12V voltage available for mobile labs.
- Square work plate supports 1.5L stirring capacity.
- Holder with clamp for pH electrode or other sensor.
- Default PET top provides excellent chemical resistance.
- Extra colorful stickers satisfy DIY design by yourself.
- Maintenance free brushless DC moto.
- An economical choice of a reliable & durable magnetic stirrer with an electrode holder for stable & powerful stirring ability.

Specifications	EcoStir	EcoStir
Work plate size	120x115mm	Ø120mm
Work plate material	PET	PET
Motor type	Brushless DC Motor	Brushless DC motor
Stirring position	1	1
Max. stirring quantity (H_2O)	1.5L	1.5L
Max. magnetic bar (length)	40mm	40mm
Speed range	300-2000rpm	300-2000rpm
Speed setting	Scale	scale
Protection class	IP21	IP21
Motor output power	1.2W	1.2W
Power	7.2W	7.2W
Voltage,Frequency	100-240V，50/60Hz or DC 12V	100-240V，50/60Hz or DC 12V
Dimension [WxDxH]	150x144x54mm	150x145x50mm
Weight	0.3Kg	0.3kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH



Tips for temperature control

- It is recommended to use the beads with all full ranges Dlab hotplate magnetic stirrers
- Place the external temperature sensor in the hole on the heating bath and ensure that the probe is submerged within 1/2~1/3 of the depth of the bead

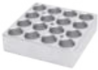
Alloy-Bead Heating Bath

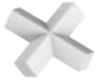
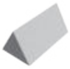
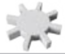
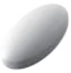
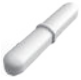
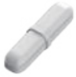
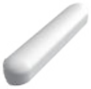
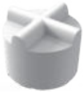
Features

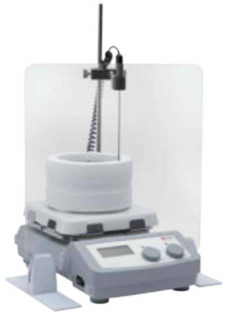
- High strength aluminum alloy beads provides high thermal conductivity over wide temperature range
- Flexible, convenient, easy to operate and adaptable to reaction essels with different shapes and sizes
- Accommodates the external temperature probe on hotplate magnetic stirrer to achieve precise temperature control
- The alloy beads do not adhere to the container inside surface. whereas the silicone oil when used is difficult to dean in oil bath application
- Eco-friendly, pollution free, paisan free, fume free,highly safe and splash free heating
- PTFE shell can effectively retains the heat and ensure human safety fram burn injuries
- The beads are easy to clean and replace separately

Magnetic stirrer accessories

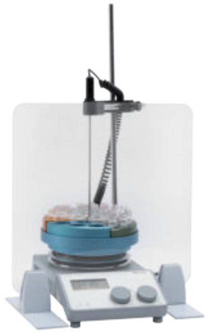
Cat. No.	Description	MS10-H500-Pro	MS7-H550-Pro MS7-H550-S DMS7-550M	DMS5-340 DMS340M MS-H-Pro^A MS-H-Pro^T MS-H-Pro^M	MS-H340-S4 MS-H280-S4 MS-H280-S6	MS-H-S	MS-H280-Pro DMS5-280 DMS5-120	DMS4-550 MS-H380-Pro
18900001	Blue carrying plate, use with color quarter pies			🟦	🟦	🟦	🟦	
18900065	Blue Fixed ring, use with color quarter pies			🟦	🟦	🟦	🟦	
18900002	Red quarter pie, 11 holes, 4mL reaction vessel, Ø15.2mm, 20mm depth	🟥	🟥	🟥	🟥	🟥	🟥	🟥
18900003	Purple quarter pie, 4 holes, 20mL reaction vessel, Ø28mm, 24mm depth	🟪	🟪	🟪	🟪	🟪	🟪	🟪
18900004	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	🟦	🟦	🟦	🟦	🟦	🟦	🟦
18900005	Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	⬛	⬛	⬛	⬛	⬛	⬛	⬛
18900048	Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	🟩	🟩	🟩	🟩	🟩	🟩	🟩
18900049	Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	🟧	🟧	🟧	🟧	🟧	🟧	🟧
18101006	Reaction block for 50mL round bottom flask (one flask capacity)			■	■	■	■	
18101007	Reaction block for 100mL round bottom flask (one flask capacity)			■	■	■	■	
18101008	Reaction block for 250mL round bottom flask (one flask capacity)			■	■	■	■	
18101009	Reaction block for 500mL round bottom flask (one flask capacity)			■	■	■	■	
18900019	F101 protective cover, temperature resistance of 135°C			□		□	□	
18901898	PT1000-A, length of 230mm	⬛	⬛	⬛	⬛		⬛	⬛
18900136	PT1000-B, temperature sensor with glass coated, length of 230mm	⬛	⬛	⬛	⬛		⬛	⬛
18902044	Support clamp of PT1000 Vertical bar length：45cm, stents length：25cm, Stem diameter:10cm	⬛	⬛	⬛				

Cat. No.	Description	MS10-H500-Pro	MS7-H550-Pro MS7-H550-S DMS7-550M	DMS5-340 DMS340M MS-H-Pro^A MS-H-Pro^T MS-H-Pro^M	MS-H340-S4 MS-H280-S4 MS-H280-S6	MS-H-S	MS-H280-Pro DMS5-280 DMS5-120	DMS4-550 MS-H380-Pro
 18204540	Square Module, capacity of 16 x 4mL flat bottom, hole dimensions: Ø15.2x 18.5mm	■	■	■	■	■	■	■
 18204542	Square Module, capacity of 16 x 8mL flat bottom, hole dimensions: Ø17.5X23.5mm	■	■	■	■	■	■	■
 18204544	Square Module, capacity of 9 x 16mL flat bottom, hole dimensions: Ø20.5X 28.5mm	■	■	■	■	■	■	■
 18204546	Square Module, capacity of 4 x 20mL flat bottom, hole dimensions: Ø28.5X23.5mm	■	■	■	■	■	■	■
 18204548	Square Module, capacity of 4 x 30mL flat bottom, hole dimensions: Ø28.5X33.5mm	■	■	■	■	■	■	■
 18204550	Square Module, capacity of 4 x 40mL flat bottom, hole dimensions: Ø28.5X4X43.5mm	■	■	■	■	■	■	■
 18204552	Ø65X25.5mm -150mL （Aperture x Hole depth — Adapted container volume) Spherical Square Module	■	■	■	■	■	■	■
 18204554	Square Module, capacity 250mL round bottom, hole dimensions: Ø86X31.5mm	■	■	■	■	■	■	■
 18204535	Square Tray with Handle（Length x deepth x width：160 x 32 x 160 mm，Suitable for 5-inch Ø135mm magnetic stirrer)			■	■	■	■	
 18204538	Square Tray without Handle (Length x deepth x width：160 x 32 x 160 mm，Suitable for 5-inch Ø135mm magnetic stirrer)			■	■	■	■	

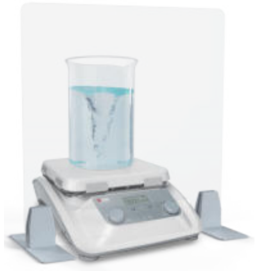
Cat.NO.	Picture	Name of stirrer bars	Size [mm]
18900693		Stirrer bar，cross	Ø5 X 10
18900694		Stirrer bar，cross	Ø10 X 20
18900695		Stirrer bar，cross	Ø9 X 25
18900696		Stirrer bar，cross	Ø10 X 30
18900697		Stirrer bar，cross	Ø11 X 38
18900698		Stirrer bar，cross	Ø20 X 65
18900699		Stirrer bar，Triangular prism	Ø14 X 25
18900700		Stirrer bar，Triangular prism	Ø14 X 50
18900701		Stirrer bar，Triangular prism	Ø9 X 35
18900702		Stirrer bar，Triangular prism	Ø14 X 80
18900703		Stirrer bar，Gear shape	Ø8 X 30
18900704		Stirrer bar，Gear shape	Ø8 X 38
18900705		Stirrer bar，Gear shape	Ø10 X 50
18900706		Stirrer bar，ellipse	Ø10 X 20
18900707		Stirrer bar，ellipse	Ø12 X 25
18900708		Stirrer bar，ellipse	Ø11X 30
18900709		Stirrer bar，ellipse	Ø15X 35
18900710		Stirrer bar，ellipse	Ø20 X 40
18900711		Stirrer bar，ellipse	Ø20 X 50
18900712		Stirrer bar，ellipse	Ø22 X 70
18900713		Stirrer bar，slide round	Ø6 X 25
18900714		Stirrer bar，slide round	Ø6 X 30
18900715		Stirrer bar，slide round	Ø8 X 40
18900716		Stirrer bar，slide round	Ø8 X 50
18900717		Stirrer bar，slide round	Ø10 X 60
18900718		Stirrer bar，slide round	Ø13 X 80
18900719		Stirrer bar，slide round	Ø24 X 159
18900720		Stirrer bar，Eight prism	Ø8 X 20
18900721		Stirrer bar，Eight prism	Ø10 X 30
18900722		Stirrer bar，Eight prism	Ø8 X 40
18900723		Stirrer bar，Eight prism	Ø8 X 50
18900724		Stirrer bar，Eight prism	Ø9 X 90
18900725		Stirrer bar， round	Ø27X57
18900726		Stirrer bar， round	Ø27X108
18900006		Stirrer bar， round	Ø6 X 10
18900007		Stirrer bar， round	Ø8 X 15
18900008		Stirrer bar， round	Ø8 X 20
18900009		Stirrer bar， round	Ø8 X 25
12500005		Stirrer bar， round	Ø6X 30
18900011		Stirrer bar， round	Ø8 X 40
12500004		Stirrer bar， round	Ø8 X 50
18900013		Stirrer bar， round	Ø8X 65
18900014		Stirrer bar， round	Ø13X 80
18900728		Stirrer bar，crown	Ø9X6
18900015		Stirrer bar remover	length of 30cm
18900610		Stirrer bar remover	length of 25cm



18900740 7 inch Magnetic Stirrer transparent safety shield



18900739 5 inch Magnetic Stirrer transparent safety shield



18900741 10 inch Magnetic Stirrer transparent safety shield

Cat.NO./Picture	RS 1 Set of magnetic stirring bars	Cat.NO./Picture	RS 2 Set of magnetic stirring bars
 18900731	Stirrer bar， round，Ø6X10，2	 18900732	Stirrer bar， round，Ø8X40，2
	Stirrer bar， round，Ø6X15，2		Stirrer bar，Eight prism，Ø8 X 40，2
	Stirrer bar， round，Ø8X20，2		Stirrer bar，Gear shape，Ø8 X 30，2
	Stirrer bar， round，Ø8X25，2		Stirrer bar，slide round，Ø8 X 40，2
	Stirrer bar， round，Ø6X30，2		Stirrer bar，ellipse，Ø20 X 40，2
	Stirrer bar， round，Ø8X40，2		Stirrer bar，cross，Ø9 X 25，2
	Stirrer bar， round，Ø8X50，2		Stirrer bar，crown，Ø9X6，2
	Stirrer bar， round，Ø10X80，2		Stirrer bar， round，Ø8X50，2
	Stirrer bar，Triangular prism，Ø14 X 25，2		Stirrer bar，Triangular prism，Ø9 X 35，2
	Stirrer bar，Triangular prism，Ø14 X 50，2		

Magnetic Stirrer accessories:

Cat. No.	Picture	Name	Specification	Instructions
18900798		Stainless steel pot Volume-2.5L	Volume:2.5L， Outside diamter:20cm， Inside diameter:18cm， High:11cm, Bottom diameter:18cm	—
18900799		Stainless steel pot Volume-3.5L	Volume:3.5L， Outside diameter:22cm， Inside diamter:20cm, High:12cm, Bottom diameter:20cm	—
18900800		Stainless steel pot Volume-4.5L	Volume:4.5L， Outside diamter:24cm， Inside diamter:22cm， High:13cm, Bottom diameter:22cm	—
18900801		Stainless steel pot Volume5.5L	Volume:5.5L， Outside diameter:26cm， Inside diameter:24cm， High:13.5cm, Bottom diameter:24cm	—
18900813		Aluminum alloy and ceramic coating pot	Volume:1.5L， Outside diameter:14cm， High:12cm	—
18900811		Aluminum alloy test tube holder Ø23mm	Ø23mm x10	Used with 18900813
18900812		Aluminum alloy test tube holder Ø33.5mm	Ø33.5mm x 8	Used with 18900813
18900814		DLAB beaker cap	500mL& 1000mL&2000mL	Suitable for 500mL, 1000mL and 2000mL beakers
18204333		Magnetic stirring extension assembly M8	M8	Adaptation: 18900540 support clamp
18204334		Magnetic stirring extension assembly M10	M10	Adaptation: 18900017 support clamp

D-160

Handheld Homogenizer

Features

- Portable, lightweight with ergonomic design ideal for manual operations
- Processing volumes from 0.1-50mL or 1-250mL
- Variable speed from 8,000 to 32,000 rpm
- 316L stainless steel shafts are fully autoclavable
- Interchangeable shafts for easy dismantling and cleaning

Applications

Designed for rapidly homogenize, emulsify, suspend and disrupt biological samples like tissue of animal, bacteria, yeast, plant samples, etc. in liquids. Ideal for samples from 0.1mL to 250mL depending on shaft chosen.

Specifications	D-160
Speed range	8000-32000rpm
Max linear velocity	6.3、10、14 m/sec
Speed level	10 stage
Working volume [H_2O]	0.1-50mL (Dispersing shaft DS-160/5)
	1-150mL (Dispersing shaft DS-160/7)
	1-250mL (Dispersing shaft DS-160/10)
Max. viscosity	5000mPa·s
Material of Dispersing Shaft	SS 316L stainless steel, PTFE
Noise Level	72 dB(A)
Protection class	IP20
Voltage,Frequency	110-120V/60Hz 220-240V/50-60Hz
Power	160W
Motor Type	AC carbon brush motor
Dimension [WxDxH]	45mm x 55mm x 190mm
Weight	0.54 kg
Permissible ambient temperature and humidity	0-40°C, 85%RH

DS-160/5 **Cat. No.18900543**

Volume 0.1-50mL
Max. Circum. Speed 6.3m/sec
Material: 316L stainless steel
Application: small amounts of solid liquid mixed
Function: dispersing tool for solid/liquid media

DS-160/7 **Cat. No.18900815**

Volume 1-150mL
Max. Circum. Speed 10m/sec
Material: 316L stainless steel
Application: small amounts of solid liquid mixed
Function: dispersing tool for solid/liquid media

DS-160/10 **Cat. No.18900544**

Volume 1-250mL
Max. Circum. Speed 14m/sec
Material: 316L stainless steel
Application: small amounts of solid liquid mixed
Function: dispersing tool for solid/liquid media

NEW

D-500

High Shear Homogenizer

The high shear homogenizer D500 is applicable to various tasks from sample preparation to formulation study. The motor drives the rotor to rotate at high speed, and the sample is homogenized or dispersed by the gap between the rotor and stator, usually in a short period of time.

Features

- High quality 316L stainless steel with corrosion and autoclave resistance
- Rotor with simple design can be dismounted, cleaned, and sterilized conveniently
- 6 speed levels
- Applicable for sample with viscosity up to 10000mPa·s
- Replaceable rotors and stators sharing the same shaft, cost-effective
- Automatic overload protection mechanism maximizes the working life of motor.
- Smooth motor start, stable acceleration without spillage risk

Applications

Widely applied for histocyte lysis, cell homogenization, emulsion, nanometer scale dispersion process in biology, pharmaceutical, genetic and pathology study, diary product or fruit homogenization, polymerization reaction, production of fragrance, cosmetics, textile auxiliary, food, ink, paints, asphalt, fine chemicals, agricultural chemicals, and analysis in mineral exploration, environmental protection and energy resource exploration.

- Routine homogenization, emulsion, depolymerization, dispersion application
- Disperse substance to form suspension and emulsion
- Disperse pigment and resin
- Disperse animal or human tissue into various solution
- Facilitate the dissolve of solid substances
- Sample preparation for quality control test
- Animal or plant cell lysis
- Emulsion, cream cosmetics, and food formulation study
- Extraction of active pharmaceutical ingredient from pills and tablets

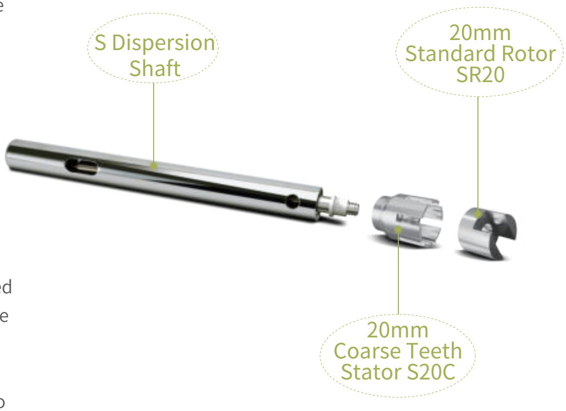
Specifications	D-500
Speed range	10000-30000rpm
Max linear velocity	22.7-36m/sec
Speed Level	6 stage
Working volume	10-40000mL
Max. viscosity	10000mPa·s
Material of dispersing shaft	SS 316L stainless steel, PTFE
Noise Level	79dB(A)
Protection class	IP20
Voltage, frequency	110-120V/60Hz, 220-240V/50-60Hz
Power	500W
Motor type	AC carbon brush motor
Dimension [WxDxH]	75x75x280mm
Weight	1.7kg
Permissible ambient temperature and humidity	0-40°C, 85%RH

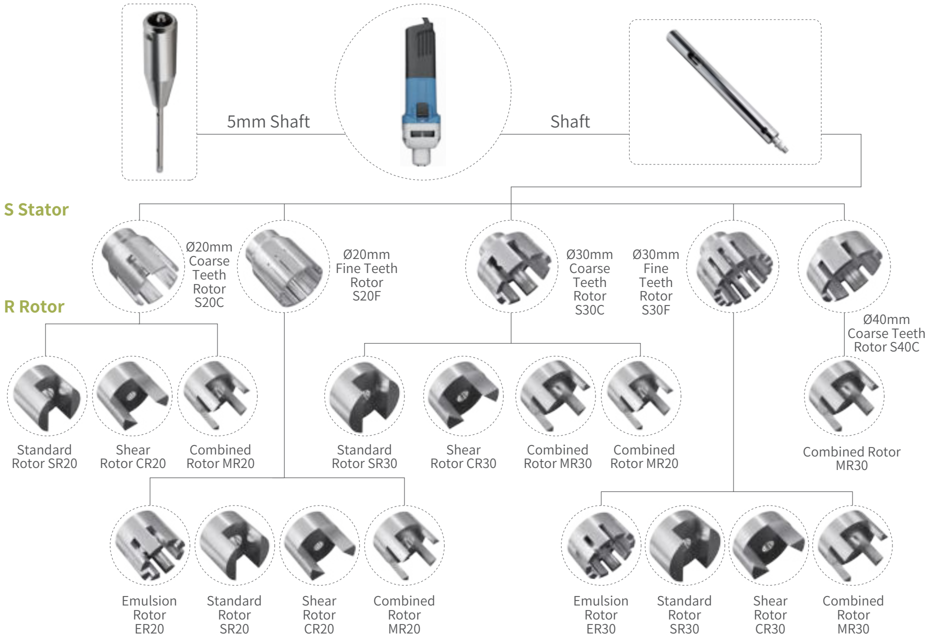
Dispersion Head Selection Guide

Material: All dispersion head components are made of high quality 316L stainless steel to ensure the mechanical performance while rotating at high speed of 30000rpm.

Bearing: Made of excellent material, the bearing is sturdy, durable and corrosion resistance. Its mechanical performance and chemical characteristics are stable.

Easy to clean: The dispersion head is designed to be easily dismantled and thus cleaned. The components can be cleaned manually or automatically, and can be autoclaved. Even the precision components can be removed to clean.


S Dispersion Shaft
20mm Standard Rotor SR20
20mm Coarse Teeth Stator S20C


5mm Shaft
Shaft
S Stator
R Rotor
Ø20mm Coarse Teeth Rotor S20C
Ø20mm Fine Teeth Rotor S20F
Ø30mm Coarse Teeth Rotor S30C
Ø30mm Fine Teeth Rotor S30F
Ø40mm Coarse Teeth Rotor S40C
Standard Rotor SR20
Shear Rotor CR20
Combined Rotor MR20
Standard Rotor SR30
Shear Rotor CR30
Combined Rotor MR30
Combined Rotor MR20
Combined Rotor MR30
Emulsion Rotor ER20
Standard Rotor SR20
Shear Rotor CR20
Combined Rotor MR20
Emulsion Rotor ER30
Standard Rotor SR30
Shear Rotor CR30
Combined Rotor MR30

DS-500/1 **Cat No.18201331**

Solid and liquid dispersion
Volume 10-5000mL
Max. circum. Speed 23.5m/sec
General purpose
Emulsion granularity range 1-10µm
Suspension granularity range 10-50µm

DS-500/2 **Cat No.18201332**

Emulsion
Volume 10-5000mL
Max. circum. Speed 23.5m/sec
General emulsion purpose
Emulsion granularity range 1-10µm
Suspension granularity range 10-50µm

DS-500/5 **Cat No.18900117**

Small amounts of solid and liquid dispersion
Volume 1-50mL
Max. circum. Speed 6.3m/sec
Compatible with 5mm stator and 3.8mm rotor
Special design for 1-50mL tissue homogenization, mixing and suspension in Eppendorf tube, tube strip and centrifuge tubes for clinical and diagnostic application

Stator & Rotor		Purpose	Working Volume	Max. circum. Speed	Rotor Dia.	Stator Dia.	Min./Max.	Granularity (µm)		Application
Combinations			mL	m/s	mm	mm	Immersion Depth	Suspension	Emulsion	
18201331	SS20CSR20	Solid-liquid mix	10-5000	23.5	15	20	40/170	10-50	1-10	P,CI,PC,SD
18900205 18900215	S20C CR20	Fiber	10-5000	23.5	15	20	40/170	10-50	1-10	SP,M,F,PT,TI
18900205 18900216	S20C MR20	Solid-liquid mix	10-5000	23.5	15	20	40/170	10-50	1-10	CI,PI
18201332	SS20FER20	Emulsion	10-5000	23.5	15	20	40/170	10-50	1-10	SP,PI,PT,P
18900206 18900215	S20F CR20	Fiber	10-5000	23.5	15	20	40/170	10-50	1-10	SP,BT,M,F,PT,TI
18900206 18900216	S20F MR20	Solid-liquid mix	10-5000	23.5	15	20	40/170	10-50	1-10	CI,C,PI,F,PT,PC
18900213 18900216	S30C MR20	As stirring paddle	250-20000	36.1	15	30	40/170	High speed mixing		CI,F,SP
18900213 18900208	S30C SR30	Solid-liquid mix	100-8000	36.1	23	30	40/170	5-25	1-5	SP,M,F,PT,P
18900213 18900209	S30C CR30	Fiber	100-8000	36.1	23	30	40/170	5-25	1-5	SP,M,F,PT,P
18900213 18900229	S30C MR30	Solid-liquid mix	100-8000	36.1	23	30	40/170	5-25	1-5	CI,PI
18900228 18900208	S30F SR30	Solid-liquid mix	100-8000	36.1	23	30	40/170	5-25	1-5	SP,PI,PT,P
18900228 18900212	S30F ER30	Emulsion	100-8000	36.1	23	30	40/170	5-25	1-5	SP,PI,PT,P
18900228 18900229	S30F MR30	Solid-liquid mix	100-8000	36.1	23	30	40/170	5-25	1-5	CI,C,P,F,DT,TI
18900214 18900229	S40C MR30	As stirring paddle	1000-40000	36.1	23	40	40/170	High speed mixing		CI,F,SP
18900117	SS5CSR5	Small amount solid-liquid mix	1-50	6.3	4	5	40/60	10-50	1-10	BT,M

Note:

BT: Biotech; F: Food; P: Pharmaceutics; C: Cosmetics; M: Medicine Analysis; PC: Petroleum Chemistry; PT: Paper and Pulp Industry; SP: Sewage Treatment; CI: Ceramic Industry; CH: Chemical Industry; PI: Paints Industry; TI: Tabacco Industry

The common combinations of rotor and stator are listed in the table above. Dispersion head can be mounted on the homogenizer main body and fixed on the holder with fixtures. All the components of dispersion head can be sterilized with all usual methods (including chemicals, autoclave, etc.)

OS-T40-Plus/OS-T60-Plus/ OS-T400-Plus

LCD Digital Timed Overhead Stirrer

① Paddle "through-the-top" design for easy container replacement

② LCD display of speed,torque, timing,temperature, etc.

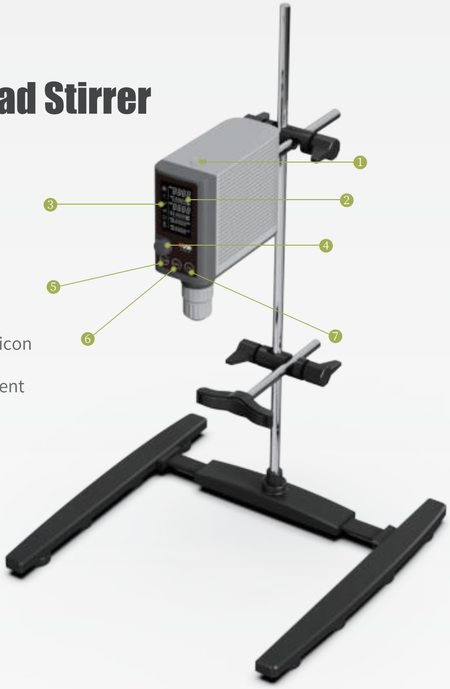
③ Safety lock, Temperature sensor, Buzzer, Operating mode, Forward and reverse rotation,Pc connection icon

④ Speed, Time, Forward and reverse rotation adjustment knob

⑤ Menu settings, Operation mode switching,Time, Speed, Forward and reverse rotation, A/B gear setting switching

⑥ Safety lock to prevent accidental change of operation

⑦ Calibration button,Torque and Temperature calibration



Features

- Timing function: Timing range 1min-99h59min.
- Thermometer function: There is an external temperature sensor inlet that plugs into the instrument and displays the sample temperature.
- Safety lock to prevent accidental change of operation.
- Paddle "through-the-top" design for easy container replacement.
- LCD display of speed, torque, timing, temperature, etc.
- Constant speed, automatically adjusts the torque according to changes in sample viscosity and maintains the set speed.
- The speed can be switched forward and reverse.
- Buzzer: When the machine malfunctions, or the timer function counts down to the end of the buzzer will emit a "drip drip drip" sound.
- Without external transformer, the machine is safer to use.
- Calibration can be achieved for torque and temperature of the sample.

Specifications	OS-T40-Plus	OS-T60-Plus	OS-T400-Plus
Max.stirring quantity[H_2O]	30L	50L	100L
Speed range	50~2200rpm	50~2200rpm	A gear：10-400 rpm； B gear：50-2000 rpm
Speed control accuracy	±3 rpm	±3 rpm	±3 rpm
Time settings range	0min-99h59min	0min-99h59min	0min-99h59min
Max. torque	40N·cm	60N·cm	400N·cm
Viscosity max.	10000mPa·s	50000mPa·s	150000mPa·s
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Speed display	LCD	LCD	LCD
Torque display	LCD	LCD	LCD
Forward and reverse rotation	Forward, reverse, intermittent mixing	Forward, reverse, intermittent mixing	-
Temperature display accuracy	0.1°C	0.1°C	0.1°C
External temperature sensor	PT1000（accuracy±0.2）	PT1000（accuracy±0.2）	PT1000（accuracy±0.2）
Overload protection display	LCD	LCD	LCD
Chuck clamp range diameter	0.5~10mm	0.5~10mm	0.5~10mm
Data interface	RS485、Type-C、USB	RS485、Type-C、USB	RS485、Type-C、USB
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Motor input/output power	60W/50W	110W/100W	180W/170W
Power	70W	120W	300W
Dimension[WxHxD]	90x240x227mm	90x240x227mm	101x270x264mm
Weight	3.5Kg	3.5Kg	5.2Kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Protection class	IP42	IP42	IP42

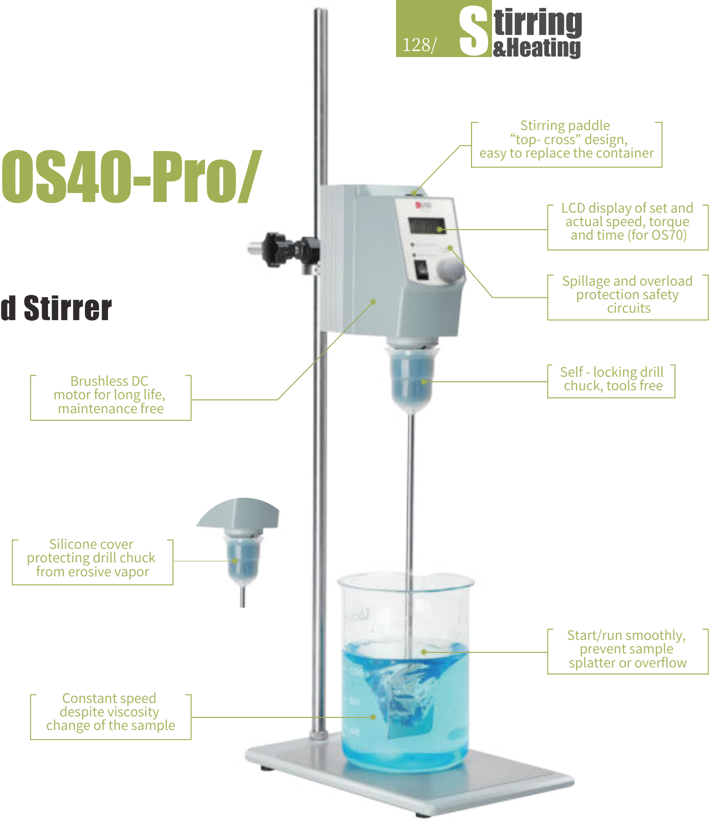
Applications

- Field of chemical synthesis, field of material science.
- Food analysis field: homogenisation for sample pre-treatment.
- Biopharmaceuticals: pills, tablets, raw material mixing, colloidal gold preparation, etc.
- Food processing: butter, ketchup, eggs, jaggery, etc.
- Cosmetics: creams, ointments, shampoos, conditioners, etc.
- Building materials: earth, mortar, clay, stone dust, etc.

OS20-Pro/OS40-Pro/ OS70-Pro

LCD Digital Overhead Stirrer

DLAB Overhead Stirrers are competent for most demanding tasks with guaranteed safety and performance. They are widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries, etc.


Stirring paddle "top- cross" design, easy to replace the container
LCD display of set and actual speed, torque and time (for OS70)
Spillage and overload protection safety circuits
Brushless DC motor for long life, maintenance free
Self - locking drill chuck, tools free
Silicone cover protecting drill chuck from erosive vapor
Start/run smoothly, prevent sample splatter or overflow
Constant speed despite viscosity change of the sample

Specifications	OS20-Pro	OS40-Pro	OS70-Pro
Max. stirring quantity[H_2O]	20L	40L	70L
Speed range	50~2200rpm	50~2200rpm	50~1100rpm
Speed display accuracy	±3rpm	±3rpm	±10rpm
Time settings range	0-99h59min	0-99h59min	0-99h59min
Max. torque	40N•cm	60N•cm	300N•cm
Viscosity max.	10000mPa•s	50000mPa•s	100000mPa•s
Weight	2.8kg	2.8kg	3.2kg
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Speed display	LCD	LCD	LCD
Torque display	LCD	LCD	LCD
Overload protection display	LCD	LCD	LCD
Chuck clamp range diameter	0.5~10mm	0.5~10mm	0.5~10mm
Motor input/output power	60W/50W	120W/100W	180W/160W
Power	70W	130W	200W
Dimension[WxHxD]	83 x 220 x 186mm	83 x 220 x 186mm	83 x 220 x 186mm
Protection class	IP21	IP21	IP21
Permissible ambient temperature and humidity	5~40°C,80%RH	5~40°C,80%RH	5~40°C,80%RH
Data interface	RS232	RS232	RS232

OS20-S/OS40-S

LED Overhead Stirrer

Features

- High reliability and outstanding performance
- Wide range of speed from 50 to 2200rpm
- Brushless DC motor for long life, maintenance free and explosion proof
- LED screen for monitoring actual speed
- Safety circuits allow for safe stop function in anti-stall or overload conditions
- Large chuck diameter for many shaft types

Set of Overhead Stirrer tools	Cat.No. 18900743
	Contains one vertical rod, six stirring blades，Such as Propeller stirrer、Paddle stirrer、Centrifugal stirrer、Flat-blade stirrer、Radial-flow stirrer、Anchor stirrer and Disassembling tool

Specifications	OS20-S	OS40-S
Max. stirring quantity[H_2O]	20L	40L
Speed range	50~2200rpm	50~2200rpm
Max. torque	40N•cm	60N•cm
Viscosity max.	10000mPa•s	50000mPa•s
Motor type	Brushless DC motor	Brushless DC motor
Speed display	LED	LED
Overload protection display	LED	LED
Chuck range diameter	0.5~10mm	0.5~10mm
Motor input power	60W	120W
Motor output power	50W	100W
Power	70W	130W
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Dimension[WxHxD]	83 x 220 x 186mm	83 x 220 x 186mm
Protection class	IP21	IP21
Weight	2.8kg	2.8kg
Permissible ambient temperature and humidity	5~40°C,80%RH	5~40°C,80%RH

Plate Stands

Universal Plate Stand

Cat. No.18900605

Dimension [W x D x H]：
20x31x78cm
Material: cast iron

Grand Plate Stand (for OS70)

Cat. No.18900497

Dimension [W x D x H]：
33.5x46.3x78cm
Material: cast iron

Universal H-shaped stand (for OS70 & T400)

Cat. No. 18205388

Dimension [W x D x H]：
26.5 to 49.6x50.5x78 cm
adjustable width:
(W: 265 to 496 mm)

DLAB Overhead Stirrer provides a variety of stirring tools, such as impellers, paddles and blades:

Propeller stirrer

Cat. No.18900071

Shaft length: 40cm
Stirrer diameter: 5cm
Shaft diameter： Ø8mm
Material: 316L stainless steel
Standard stirring applications at medium and high speed

Straight stirrer

Cat. No.18900072

Shaft length: 40cm
Stirrer diameter: 6cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
For low viscosity media at medium and high speeds

Propeller stirrer

Cat. No.18900075

Shaft length: 35cm
Stirrer diameter: 6.5cm
Shaft diameter: Ø8mm
Material: PTFE coated
Standard stirring applications at medium and high speed

Straight stirrer

Cat. No.18900076

Shaft length: 35cm
Stirrer diameter: 7cm
Shaft diameter: Ø8mm
Material: PTFE coated
For low viscosity media at medium and high speeds

Grand propeller stirrer

Cat. No. 18900478

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Standard stirring

Grand anchor stirrer

Cat. No. 18900498

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Standard stirring or for those easily precipitate

Flat-blade stirrer

Cat. No. 18900625

Shaft length: 40cm
Stirrer diameter: 6cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for medium speed stirring, low viscosity and medium viscosity materials

Radial-flow stirrer

Cat. No. 18900626

Shaft length: 40cm
Stirrer diameter: 5cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for medium speed or high speed agitation, low viscosity or medium viscosity materials, recommended for the treatment of gas in liquid

Paddle stirrer

Cat. No.18900073

Shaft length: 40cm
Stirrer diameter: 6.8cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
For gentle mixing at low and medium speeds

Centrifugal stirrer

Cat. No.18900074

Shaft length: 40cm
Stirrer diameter: 9cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Blades open while speeding.
For narrow neck vessels at medium to high speed.

Paddle stirrer

Cat. No.18900077

Shaft length: 35cm
Stirrer diameter: 6.8cm
Shaft diameter: Ø8mm
Material: PTFE coated
For gentle mixing at low and medium speeds

Centrifugal stirrer

Cat. No.18900078

Shaft length: 35cm
Stirrer diameter: 8.5cm
Shaft diameter: Ø8mm
Material: PTFE coated
Blades open while speeding.
For narrow neck vessels at medium to high speed.

Grand paddle stirrer

Cat. No.18900499

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Gentle mixing for those stratify easily or sensitive to shear

Grand dissolving stirrer

Cat. No.18900500

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Breaking down granules in the mixture with strong shear

Anchor stirrer

Cat. No.18900627

Shaft length: 40cm
Stirrer diameter: 6cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for low speed stirring, medium viscosity and high viscosity materials

Spiral stirrer

Cat. No. 18900628

Shaft length: 40cm
Stirrer diameter: 5cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for medium speed or high speed agitation, medium viscosity and high viscosity materials, recommended for liquid homogenization or suspension treatment

Distilling

Evaporation Solutions!
Leading Laboratory & Industrial Rotary evaporator

Rotary evaporator is an indispensable equipment for processes of evaporation, concentration,crytallization, drying, separation, and solvent recovery in many fields,and it is mainly used for continuous distillation of large amounts of volatile solvents under reduced pressure. It can be applied in different areas such as biological, pharmaceutical, chemical and even food&beverage industries.

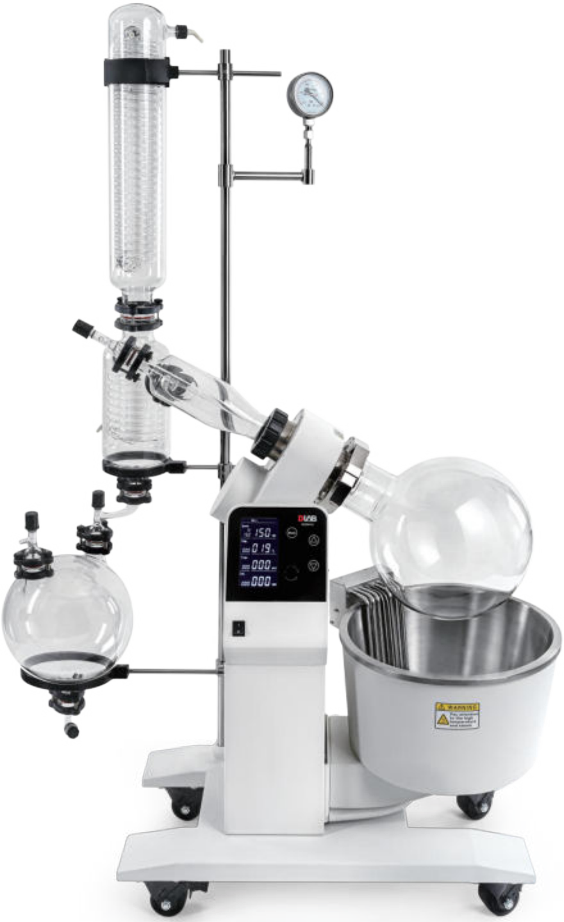
DLAB Rotary Evaporator models:

Series	Image	Evaporating Flask Volume	Evaporation capacity	Temperature range	Automatic lifting	Display	Page
RE100-CV		50-3000mL	Max.1.56L/h (H20)	RT-180°C	YES	LCD Touch-screen	p.135
RE100-Pro		50-3000mL	Max.1.56L/h (H20)	RT-180°C	YES	LCD	p.138
RE100-S		50-3000mL	Max.1.56L/h (H20)	RT-180°C	No (Manual lifting)	LCD	p.139
RE200-Pro		20L	Max.4.5L/h (75% Alcohol)	RT-180°C	YES	LCD	p.133
RE500-E		5L	Max.2L/h (75% Alcohol)	20-100°C	YES	LCD	p.146
RE1000-E		10L	Max.3.8L/h (75% Alcohol)	20-100°C	YES	LCD	p.146
RE2000-E		20L	Max.5L/h (75% Alcohol)	20-100°C	YES	LCD	p.146
RE5000-E		50L	Max.11L/h (75% Alcohol)	20-100°C	YES	LCD	p.146

RE200-Pro

20L Industrial Digital Rotary Evaporator

A promise of safety, reliability & highest level of efficiency for large volumes



Features

- Large LCD digital display with heating temperature, rotation speed, clockwise&anticlockwise and time information
- One-click automatic motor lifting (stroke 180mm), smooth and silent
- Water/ oil heating bath with wide temperature range from RT to 180 °C
- Speed range from 10 to 150rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Two-section vertical triple coil condensing tube with large area and strong evaporation capacity ensuring high-efficiency sample recovery
- The connector device allows for easy and quick installation of the evaporating flask
- PTFE double sealing ring with excellent sealing performance
- Switch valve for continuous collection without compromising the system vacuum and solvent distillation

Applications

Suitable for pilot-scale production, large-scale application in biology engineering, pharmaceutical industry, chemical industry,beauty industry, medical industry and food processing.

LCD Large LCD display

Overheating protection

Chemical resistance

Two-section vertical triple coil condenser

large condensation area and strong evaporation capacity ensuring high efficient sample recovery

Switching valve design

switch valve for continuous collection without compromising the system vacuum and solvent distillation

Heating bath

- Water & oil bath
- Enhanced lifetime through exclusive use of corrosion-free stainless-steel
- It adopts special heat insulation structure design so the surface temperature is far lower than the temperature in the bath to avoid personnel burns

Specifications	**RE200-Pro**	
performance	Temperature range	Room temp. ~180°C (water and oil bath)
	Temperature control accuracy	Water: ±1°C Oil: ±3°C
	Rotation Speed	10~150rpm
	Ultimate vacuum	Less 2.6mbar
	Evaporation capacity	Max.4.5L/h(75% Alcohol)
function	Temperature control	Micro processer PID control
	Display	LCD (temperature/speed/clockwise and Anti-clockwise/time)
	Time Setting Range	0-999min
	Lift stroke	Motorized 180mm
	Safety features	Motor over-current protection, earth-leakage protection lifting overload protection, Boil-dry protection, Overheating protection
components	Evaporation flask	Round flask 20L
	Receiving flask	Round flask 10L with drain valve
	Condenser	Two-section vertical triple coil condenser, cooling surface 1.2m^2
specification	Heating bath size	Ø 450×240mm
	Hose connection	Cooling/suction nozzle outer diameter 16mm, vacuum pump nozzle outer diameter 16mm
Dimension[D×W×H]		1160×600×1860mm
Voltage/Frequency		220V/50/60Hz
Power		4600w
Heating Power		4400w

RE100-CV

Controlled Rotary Evaporator

For a new experience in rapid, efficient, and eco-friendly rotary evaporation!

The RE100-CV intelligent self-cooling rotary evaporator offers several breakthrough advantages
by directly introducing the refrigerant into the metal condenser:

Compact Design: No separate chiller needed, saving space.

Rapid Cooling: Metal condenser cools to 40°C in 5 minutes, much faster than traditional chillers.

Lower Energy Use: Can turn off refrigeration at low temperatures, reducing energy by 50%.

Eco-Friendly: No secondary cooling fluids, cutting costs and supporting sustainability.

Features

- **Touchscreen Control System:** User-friendly, with comprehensive control over vacuum and cooling temperature.
- **Intelligent Self-Cooling Condenser**: Features chemically resistant coils and a large condensation area.
- **Rapid Cooling:** Faster cooling and evaporation rates compared to traditional rotary evaporators.
- **Eco-Friendly and Energy Efficient:** Reduces use of cooling fluids like glycol, dry ice, or water.
- **Built-in Vacuum Pump Controller:** Saves laboratory space.
- **Automatic Motor Lift:** Evaporating flask automatically moves to a safe position after power loss or timer ends.
- **Ensures safety:** 220°C Overheat Protection.
- **Capacity:** Accommodates up to 3000 ml evaporation flasks.
- **Easy Flask Removal:** Flask removal structure for convenience.
- **High Chemical Resistance:** Dual stainless steel spring seals with PTFE sealing for superior performance.

Specifications

Model	RE100-CV
Display	LCD Touchscreen
Speed Range	20-280rpm
Rotary Direction	Clockwise and Anti-clockwise
Stroke Displacement	Automatic 150mm
Heating Temperature Range	RT … 180°C
Control Accuracy	water: ±1°C oil: ±3°C
Heating Power	1300W
Condenser Temperature Range	RT … -40°C
Condenser Temperature Control Accuracy	±3°C
Cooling Power	725W
Temperature Control Accuracy	+/-0.1°C
Time Setting Range	1-999min
Vacuum setting range	1-1000mbar
Control mode	Single-point control mode,Programmed control mode
Control program	Store up to 5 programs, each containing 5-step control
Permissible Ambient Temperature	5-40 °C
Permissible Relative Humidity	80% RH
Protection Class	IP20
Voltage/Frequency	100-120/200-240V 50/60 Hz
Power	3000 W
Dimensions[W×D×H]	45.1×41.3×73.7cm
Weight	54.4kg

Table 1: Comparison of RE100-CV with Traditional Rotary Evaporators (with Glycol Solution in Circulation Chiller)

Set Parameter	**Rotary Evaporator with Chiller**	**RE100-CV (Set to -10°C)**	**RE100-CV (Set to -34°C)**
Cooling Chiller Temperature	-10°C	-10°C	-34°C
Rotary Evaporator Speed	180rpm	180rpm	180rpm
Vacuum Set Point	120mbar	120mbar	120mbar
Heating Bath Temperature	40°C	40°C	40°C
Heating Bath Volume	3.5L	3.5L	3.5L
Preparation Data			
Cooling Time	70min	2min	5min
Cooling Device Energy Consumption	0.225	—	—
Heating Bath Heating Time	5min	7min	7min
Heating Bath Energy Consumption	0.063	0.107	0.132
RE100-CV Cooling and Heating Bath Energy Consumption	—	0.107	0.132
Energy to Reach Set Point	0.288	0.107	0.132
Distillation Data			
Duration	20min	30min	20min
Cooling Device Energy Consumption	0.101	—	—
Heating Bath Energy Consumption	0.027	—	—
Rotary Evaporator Energy Consumption	0.012	—	—
RE100-CV Energy Consumption	—	0.067	0.083
Total Energy Consumption			
Total Distillation Energy Consumption	0.14	0.067	0.083
Total Preparation and Distillation Energy Consumption	0.428	0.174	0.215
Preparation Time + Distillation Time	90min	37min	27min

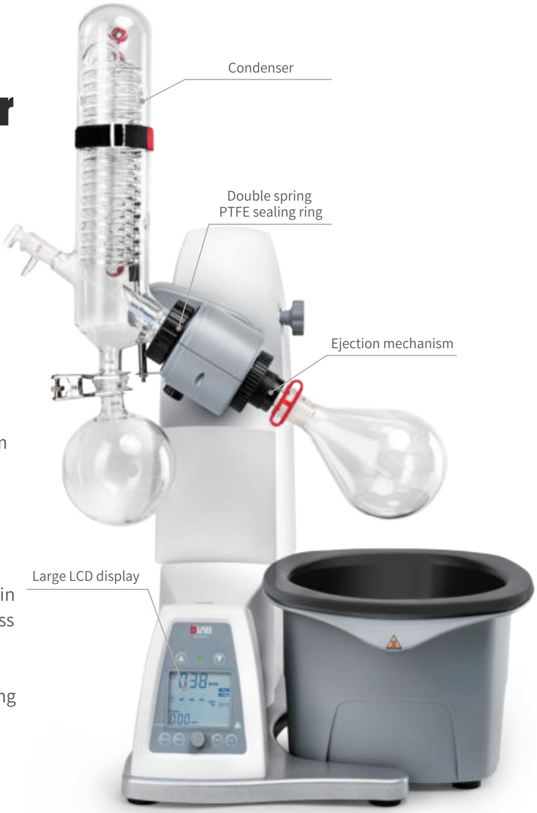
Note:This comparative study measures the energy consumption of the two systems when distilling 100 mL of cyclohexane. Note that data may vary with different parameter settings; the provided data is for reference only.

This comparison shows that the RE100-CV system has a preparation speed 10 times faster. All components are ready in just 7 minutes, whereas the traditional rotary evaporator’ s chiller takes 70 minutes. Additionally, the RE100-CV system is nearly twice as energy-efficient as the traditional system, with an energy consumption of 0.067 kWh compared to 0.14 kWh for the rotary evaporator equipped with cooling water.

RE100-Pro

Digital Rotary Evaporator

It is highly used in chemical industries, pharmaceutical industries and also higher learning institution



Features

- Digital LCD display of both rotation speed and heating temperature allows for optimal control of all distillation processes
- Automatic motor lift releases the evaporating flask to a safe position in case of power failure
- 5L heating bath with wide temperature range from room temperature to 180 °C Water/oil heating mode can be changed only through a switch
- Overheating protection temperature at 220 °C
- Boil-dry protection, automatically power off if heating without water/oil in the heating bath
- Speed range from 20 to 280rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Condenser (cooling surface 1700cm^2) with excellent cooling effect
- Ejection mechanism ensures easy removal of evaporating flask
- Double spring sealing ring made of PTFE provides an excellent sealing performance
- Optional glassware with explosion proof film available

Large LCD display

USB connector

Chemical resistance

Overheating protection

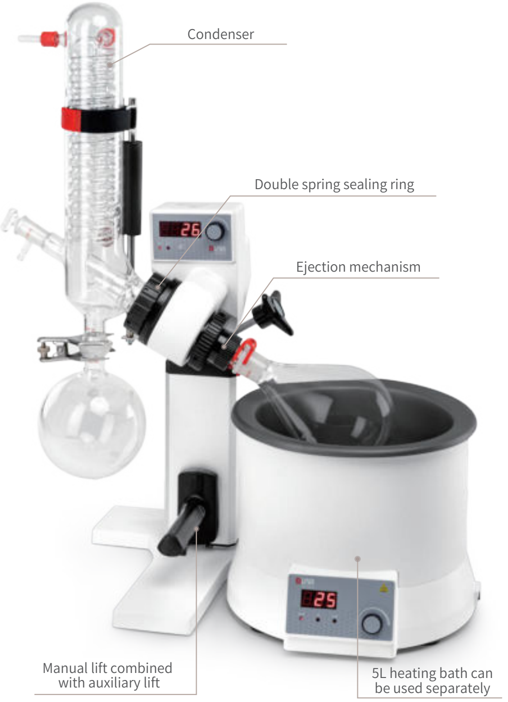
Compatible with all range of glassware

Specifications	RE100-Pro
Evaporating Flask Volume	50-3000mL
Motor Type	Brushless DC motor
Speed Range	20-280rpm
Display	LCD(speed, temperature, time)
Direction of Rotation	Clockwise and counterclockwise
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	water: ±1°C oil: ±3°C
Evaporation capacity	Max.1.56L/h(H_2O)
Heating Power	1300W
Lift stroke	Motorized 150mm
Timer	Yes
Time Setting Range	1-999min
Dimension[D×W×H]	465×457×583mm
Weight	15kg
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%RH
Protection Class	IP20
USB Interface	Yes
Voltage/Frequency	100-120/200-240V，50/60Hz
Power	1400W

RE100-S

LED Digital Rotary Evaporator

DLAB LED Digital Rotary Evaporator is a basic chemical laboratory instrument suitable for evaporation, distillation and separation of chemicals. It can be used as a multifunctional system in combination with vacuum pump, vacuum controller and low temperature circulators to provide excellent distillation solutions in many laboratory applications.


Condenser
Double spring sealing ring
Ejection mechanism
Manual lift combined with auxiliary lift
5L heating bath can be used separately

Features

- 5L heating bath with a wide temperature range (room temp.to180°C). Independent temperature control makes it can be used separately. Water/oil heating mode can be changed just through a switch
- Manual lift combined with auxiliary lift for precise positioning of the glassware
- PID control ensures high temperature accuracy at ±1°C (water)
- Overheating protection temperature at 220°C
- Boil-dry protection, automatically power off if heating without water/oil in the heating bath
- Speed range from 20 to 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process
- Condenser (cooling surface 1200/1700cm^2 for selection), speeding up the flow rate of liquid with excellent cooling effect
- Ejection mechanism ensures easy exchange of evaporating flask
- Adjustable immersion angle
- Double spring sealing ring which is made of PTFE provides an excellent sealing performance
- Compatible with the entire range of RE100-Pro glassware
- Optional glassware with explosion proof film available
- High temperature warning when above 50°C

Chemical resistance

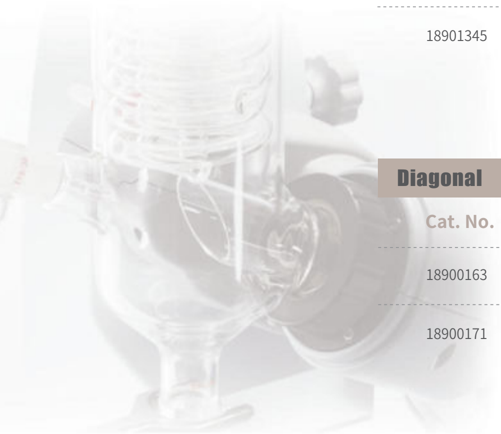
Overheating protection

Compatible with wide range of glassware

Specifications	RE100-S
Evaporating Flask Volume	50-3000mL
Motor Type	50-3000mLBrushless DC motor
Speed Range	20-200rpm
Display	LED(speed, temperature, time)
Direction of Rotation	Clockwise and counterclockwise
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	water: ±1°C oil: ±3°C
Evaporation capacity	Max.1.56L/h(H_2O)
Heating Power	1200W
Lift stroke	Manual 110mm+auxiliary 100mm
Interval Time Setting Range	1-999s
Dimension[D×W×H]	Main Unit:440×320×450mm Heating Bath:300×300×240mm
Weight	Main Unit:7kg Heating Bath:3kg
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%RH
Protection Class	IP20
USB Interface	Yes
Voltage/Frequency	100-120/200-240V，50/60Hz
Power	1245W

Vertical

Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask(NS29/32) Receiving flask(KS35/20)	1000mL	1700cm^2
18900173	Evaporating flask(NS24/40) Receiving flask(KS35/20)	1000mL	1700cm^2
18202410	Evaporating flask (NS 29/32) Receiving flask (KS 35/20)	1000mL	1200cm^2
18900476	Evaporating flask (NS 24/40) Receiving flask (KS 35/20)	1000mL	1200cm^2
18901344	Condenser(New), evaporating flask (NS 29/32), Receiving flask (KS 35/20)	1000mL	1700cm^2
18901345	Condenser(New), evaporating flask (NS 24/40), Receiving flask (KS 35/20)	1000mL	1700cm^2



Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask(NS29/32)Receiving flask(KS35/20)	1000mL	1700cm^2
18900171	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000mL	1700cm^2

Heating Bath

Cat. No.	Description	Volume
18900201	Heating bath for Rotary Evaporator RE100-Pro, 220V	5L
18900202	Heating bath for Rotary Evaporator RE100-Pro, 110V	5L
6033100210	LED heating bath, 100V-120/200-240V,50/60HZ	5L

Glassware

Evaporating flask

Cat. No.	Volume	Size
18300116	50mL	NS 29/32
18300117	100mL	NS 29/32
18300118	250mL	NS 29/32
18300119	500mL	NS 29/32
18300120	1000mL	NS 29/32
18300121	2000mL	NS 29/32
18300122	3000mL	NS29/32
18300655	50mL	NS24/40
18300201	100mL	NS 24/40
18300202	250mL	NS 24/40
18300203	500mL	NS 24/40
18300204	1000mL	NS 24/40
18300205	2000mL	NS 24/40
18900204	3000mL	NS24/40
18900563	20L	RE200-Pro

Foam brake

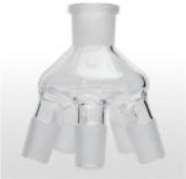
Cat. No.	Volume	Size
18300093	250mL	NS 29/32
18300207	250mL	NS 24/40

Glass axis

Cat. No.	Volume	Size
18203431	Thickened glass axis	NS24/40
18204253	Thickened glass axis	NS29/32

Receiving flask

Cat. No.	Volume	Size
18300107	100mL	KS 35/20
18300108	250mL	KS 35/20
18300109	500mL	KS 35/20
18300110	1000mL	KS 35/20
18300111	2000mL	KS 35/20
18900564	10L	RE200-Pro



Distilling spider with 5 flasks(without flask)

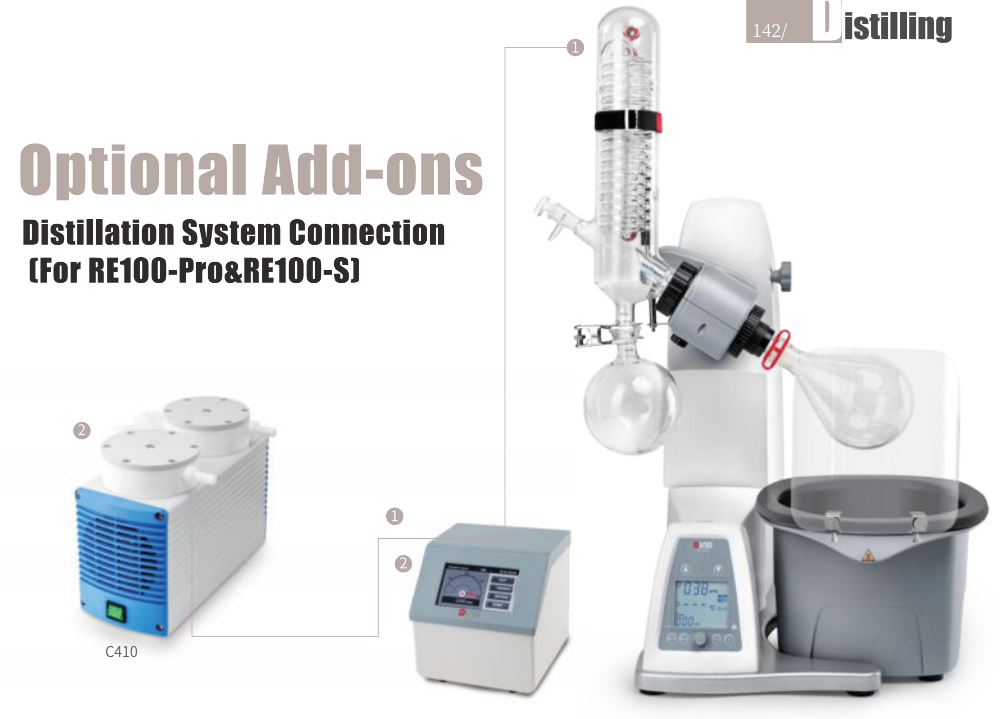
Cat. No.	Volume	Size
18900194	/	NS 29/32, NS24/29
18900177	/	NS 29/42, NS24/40

Connector

Cat. No.	Volume	Size
18300094	/	NS 29/32, NS24/29
18300095	/	NS 29/32, NS19/26
18300096	/	NS 29/32, NS14/23
18300199	/	NS24/40, NS19/22
18300200	/	NS 24/40, NS14/20
18900193	/	NS 24/40, NS 29/42

Optional Add-ons

Distillation System Connection
(For RE100-Pro&RE100-S)



Seals and other accessories

Cat. No.	Description
18901103	vacuum seal（PTFE+Viton）
18900190	Evaporation flask clip(red) NS29/42
18900188	Evaporation flask clip(green) NS24/40
18901001	Evaporation flask clip(Black)，NS24/40, Adapted to 3L/5L Evaporating flask
18901002	Evaporation flask clip(Black) ，NS29/32, Adapted to 3L/5L Evaporating flask
18900871	Cooling water silicone hose line
18901118	Evaporatlon flask cllp(metal)，24/40，1pcs
18901119	Evaporatlon flask cllp(metal)，29/42，1pcs
18901120	Metal grinding clip， 29/42， 1pcs
18901121	Metal grinding clip， 24/40， 1pcs
18900879	Secondary Condenser Component
18900744	Rotary Evaporator Protective Shield Assembly (compatible with RE100-Pro)
18900789	Rotary Evaporator Protective Shield (RE100-S)

C410 Chemistry-design diapharm pump

Specifications

Maximum Vacuum:13mbar
Work Mode: Continuous Operation
Nozzle Size:8mm, Power: 95W
Motor speed:1450rpm
Flow Rate:

mbar	1000	880	750	600	480	280
L/min	25	22	20	12	7.5	5

Noise:50dB

Regulator /Moisture

Cat. No.	Description
18900186	Material: PVDF, PTFE, ABS, Borosilicate Glass, Stainless Steel

DCP-5/DCP-17/DCP-20

NEW

Low-Temperature Cooling Circulator Series

The low-temperature cooling circulator (or thermostat) is an efficient temperature control device that regulates temperature through pumping low-temperature cooling fluid. It is suitable for laboratories, pharmaceuticals, chemicals, and semiconductor industries where stable low-temperature environments are required.

DCP-5 DCP-17 DCP-20

Features

- **Easy Operation:** LED display, simple menu, one-touch start.
- **Compact Design:** Small size, suitable for desktops and fume hoods.
- **Precise Temperature Control:** Built-in sensor and PID technology ensure high temperature stability.
- **Convenient Handling:** Top liquid filling, rear draining, clear liquid level, with overflow protection.
- **Rapid Response:** Quickly adjusts to load and temperature changes, with strong adaptability.
- **Eco-Friendly Refrigerant:** Non-toxic, non-polluting, with excellent cooling performance.
- **Energy Efficiency:** Proportional cooling adjustment for low-energy operation.
- **Stable Circulation System:** Powerful pump ensures uniform cooling.
- **Extended Lifespan:** Low-speed operation reduces wear.
- **Low Noise:** Suitable for quiet environments.
- **Easy Cleaning:** Removable panel for easy filter cleaning and convenient drainage.
- **High-Quality Insulation:** Reduces heat exchange, ensuring temperature stability.
- **Rapid Heat Dissipation:** Prevents overheating, maintaining stable equipment operation.

Application Fields

- **Laboratory Cooling:** Provides stable low-temperature environments for condensers, rotary evaporators, spectrometers, and other equipment.
- **Chemical Reaction Cooling:** Controls reaction temperatures, preventing overheating and ensuring product quality.
- **Pharmaceutical and Biotech Applications:** Precise low-temperature control for freeze drying, enzyme reactions, blood preservation, and more.
- **Semiconductor Manufacturing:** Supplies low-temperature environments for semiconductor equipment, ensuring process stability.
- **Food and Beverage Processing:** Maintains constant low temperatures during food processing and storage, extending product freshness.

Specifications	DCP-5*	DCP-17*	DCP-20*
Temperature range [°C]	-20-40		
Temperature control accuracy [°C]	±0.3	±0.5	
Temperature display	LED		
Display accuracy [°C]	0.1		
Temperature control method	Intelligent PID		
Control temperature sensor	PT 100		
Cooling capacity @20°C [W]	700	2400	3200
Cryogen	R404a		
Maximum pump pressure [bar]	0.3	1.5	
Maximum flow rate of pump [L/min]	22		
Tank capacity [L]	4.5	17	20
Instrument fixing method	Floor standing		
Allow continuous operation [%]	100		
Allow ambient temperature [°C]	5-40		
Allow relative humidity [%]	80		
Internal diameter of external pipe mouth [mm]	8	10	
Overall Dimensions (WxDxH) [mm]	230×490×450	400×560×705	450×600×1100
Power Supply [VAC/Hz]	100-120V/200-240V，50/60Hz		
Power [W]	700 Max.	1000 Max.	1500 Max.
Electric current [A]	3.5 Max.	5 Max.	7.5 Max.

Note: “*” indicates product coming soon

NEW

DUC-10

Low-Temperature Cooling Circulator Series

Features

- User-friendly LCD touch control for quick setup and operation.
- Automatic circulation and temperature control on startup.
- Front liquid level window for easy monitoring.
- High-performance pump with water purification function.
- PID temperature control, accuracy up to ±0.1°C.
- Proportional refrigeration for energy-efficient operation.
- Low-noise compressor and fan, ideal for labs.
- Stable circulation, reliable long-term performance.
- Fast heat dissipation and excellent insulation efficiency.
- Multi-layer protection: overheat, overload, water pressure, temperature.
- Eco-friendly refrigerant.

Specifications	DUC-10*
Working temperature range	5-35 °C
Temperature stability	±0.1 °C
Temperature display	3.5-inch LCD touch screen
Display resolution	0.1 °C
Temperature control method	Intelligent PID
Temperature sensor	PT 100
Cooling capacity @20°C	1000 W
Refrigerant	R404a
Max pump pressure	1.3 bar
Pump flow rate	2-20 L/min（Adjustable）
Reservoir volume	7 L
Installation type	Floor standing
Continuous operation	100 %
Ambient temperature	5-40 °C
Relative humidity	≤80 %
External tubing inner diameter	10 mm
Dimensions (W×D×H)	310×650×530 mm
Power supply	220V/50Hz
Power consumption	650 W Max.
Current	3.5 A Max.

Note: “*” indicates product coming soon

RE500-E&RE1000-E& RE2000-E&RE5000-E

Pilot Scale Digital Control Rotary Evaporator

Features

- LCD digital display with intuitive interface for operation and control.
- PID controller, precise control, fast setting.
- Stepless automatic motor lifting of the heat bath, smooth and silent.
- The reciprocation rotation function is the most useful for concentration of sample with power or solid particles.
- Double-layer high-efficiency condenser with anti-backflow design, large condensation surface area, strong evaporation capacity is a guarantee of high efficient sample recovery.
- Professional air tightness system design with PTFE sealing ring, featured with heat/corrosion resistance, and high durability.
- Optional vacuum controller to control the vacuum degree freely.
- Keep the outer surface of the heat bath at mild temperature with proprietary heat insulation design to avoid accidental personnel burn injury.
- Equipped with automatic switching valve, continuous collection can be carried out without affecting the negative pressure index of the system and solvent distillation.
- Optional water bath/oil bath heating mode (standard water bath).
- Solution can be continuously fed into evaporating flask.
- Digital display steam temperature sensing device can feed back the solvent steam temperature in real time

Specification

Photos				
Model	RE500-E	RE1000-E	RE2000-E	RE5000-E
Evaporating flask volume	5L	10L	20L	50L
Speed range	20-180	20-130	20-130	20-130
Display	LCD			
Evaporation Capacity (Max.L/h) For 75% Alcohol	2	3.8	5	11
Ultimate vacuum	9 mbar			
Timer	Yes			
Temperature range	Water Bath：20- 100℃ Oil Bath：20-180℃（Optional）			
Temperature control accuracy [°C]	±1			
Heating Power [W]	2000	3000	4000	5000
Temperature Display	LCD			
Lifting mode	Motorized			
Lifting Stroke [mm]	130	200	180	253
Time Setting Range	0-999min			
Voltage	220V			
Frequency [Hz]	50/60			
Motor	Brushless DC motor			
Heat Bath	Teflon coating			
Protection Class	IP20			
Dimension[D×W×H]	600*290*720	790*480*1130	900*490*1320	1030*510*1370
Permissible ambient temperature [°C]	5-40			
Permissible ambient humidity	≤80%			
Safety features	Motor over current protection, earth leakage protection, dry heating protection，overheat protection function			

Vertical

Cat. No.	Glassware type & Volume	Cooling surface
18900674	5L Main condenser	0.28㎡
18900639	10L Main condenser	0.49㎡
18900640	10L Secondary condenser	
18900688	20L Main condenser	1.29㎡
18900689	20L Secondary condenser	
18900648	50L Main condenser	1.75㎡
18900649	50L Secondary condenser	

Main condenser

Secondary condenser

Evaporating flask

Cat. No.	Volume	Size
18900677	5L	RE500-E
18900643	10L	RE1000-E
18900690	20L	RE2000-E
18900650	50L	RE5000-E

Receiving flask

Cat. No.	Volume	Size
18900678	3L	RE500-E
18900644	5L	RE1000-E
18900691	10L	RE2000-E
18900651	20L	RE5000-E

Three way bottle

Cat. No.	Volume	Size
18900676	——	RE500-E
18900642	——	RE1000-E/RE2000-E/RE5000-E

Rotation axis

Cat. No.	Volume	Size
18900679	——	RE500-E
18900645	——	RE1000-E/RE2000-E/RE5000-E

Valve accessories

Cat. No.	Description	Size	Photograph
18900675	Feeding valve	RE500-E	
18900641	Feeding valve	RE1000-E,RE2000-E,RE5000-E	
18900675	Discharge valve	RE500-E	
18900641		RE1000-E,RE2000-E,RE5000-E	
18900680	Non pass valve	RE500-E	
18900681	Mixing valve	RE500-E	
18900647	Vent valve	RE1000-E,RE2000-E,RE5000-E	

Other accessories

Cat. No.	Description	Size	Photograph
18900683	5L Locking clamp	30#	
18900682		40#	
18900655	10L/20L/50L Locking clamp	50#	
18900656		60#	
18900657		80#	
18204035	5L Vacuum sealing ring	Teflon + fluorine rubber	
18203979	10L/20L/50L Vacuum sealing ring	RE1000-E,RE2000-E,RE5000-E	
18203980	Vacuum seal assembly for evaporating flask	RE1000-E,RE2000-E,RE5000-E	
18204228	Flask holder（50mL-1L and 1L-20L）	90mm	
		160mm	
18901003	Evaporation bottle bracket	adapted to RE500-E	
18901004		adapted to RE1000-E	
18901005		adapted to RE2000-E	
18901006		adapted to RE5000-E	

VC100

Vacuum Controller
Reliable,robust,effcient and extremely durable

Vacuum Control
190
02:30:00
VENT
PROGRAM
SETTINGS
START
1000 mbar

The vacuum controller serves as a device for labs to display, adjust and control the degree of vacuum in vacuum systems. It generally constitutes the vacuum control system of rotary evaporator along with vacuum pump, which enables repeatable distillation experiment and recovery of many kinds of solvents in an efficient and automatic manner.

Features

- Wide range of measurement and control, 1-1,000mbar
- Two control modes available Single-point control and programmed control
- Stores up to 5 programs, each containing up to 5 steps of programming control
- Large TFT touch screen display control provides easy operation
- All parts in contact with vapor or liquid are made of PTFE, ceramics or other high-performance materials which effectively resists corrosion caused by organic solvents, water, acid and alkali
- Built-in vent valve can feed inert gas into system equipment
- One-click decompression allows easy installation and dismantling of vacuum system
- Can be connected with pump power control for temporary shutdown of pump power supply after reaching stable degree of vacuum for energy conservation and environmental protection.
- Can also be operated in the normally open status of pump
- Reliable and functional design to fulfill essential needs of precise vacuum regulation

Specifications	VC100
Vacuum setting range	1-1000mbar
Vacuum measurement range	1-1000mbar
Control mode	Single-point control mode, Programmed control mode
Control program	Can store up to 5 programs, each containing 5-step control (capable to set the degree of vacuum and time)
Setting method	Touch screen setting
Display	5'' TFT
Sensor overload pressure	1,500mbar
Connector diameter	8mm
Materials in contact with vapor	PTFE, PP, silicone and ceramics
Power	600W
Compatible conditions with vacuum pump	Power of 50Hz vacuum pump ≤400W Power of 60Hz vacuum pump ≤500W
Overall dimensionsWxDxH	189x207x193mm
Weight	4.0kg
Voltage,Frequency	110 240V,50Hz/60Hz
Operating environment	10°C ~40°C ≤80%RH

Centrifuges

Centrifuge is used to separate liquid and solid particles or components in a liquid mixture.DLAB centrifuge series includes palm micro centrifuges, high-speed centrifuges (refrigerated and non-refrigerated), hematocrit centrifuges and low speed centrifuges.

List of DLAB models:

Series	Image	Model	Display	Max. speed(RCF)	Rotor Capacity	Page
Palm Micro Centrifuge		D1012UA	OLED	10000rpm (7490xg)	44×0.2mL PCR tubes 12×0.5/1.5/2mL+ 4×0.2mL PCR 8-tube strip	p.153
		D1008	-	7000rpm (2680×g)	32×0.2mL PCR tubes 8×0.5/1.5/2mL 4×0.2mL PCR 8-tube strip	p.154
High speed Mini Centrifuge		D2012Plus	LCD	15000rpm (15100×g)	12×0.2/0.5/1.5/2mL	p.155
		D2012S	LCD	15000rpm (15100×g)	12×0.2/0.5/1.5/2mL 18×0.2/0.5/1.5/2mL 6×0.5mL+6×5mL 4×0.2mL PCR 8-tube strip	p.156
High speed Micro Centrifuge		D3024	LCD	15000rpm (21380×g)	24×0.2/0.5/1.5/2mL 36×0.5mL 4×0.2mL PCR 8-tube strip 12×5mL(cone bottom) 18×5mL(round bottom)	p.165
High speed Refrigerated Micro Centrifuge		D1524R	LCD	15000rpm (21380×g)		p.162
High speed Micro Centrifuge		D1524	LCD	15000rpm (21380×g)		p.163
		D1524C	LCD	12000rpm (13680×g)	24×capillary tubes	p.163
Hematocrit Centrifuge		DM1424	LCD	12000 rpm (13680×g)		p.171
		DM1224				
High Speed Centrifuge		DG1616	Capacitive Touch Screen	16000rpm (28621×g)	4×400mL	p.157
High Speed Refrigerated Centrifuge		DG1616R	Capacitive Touch Screen	16000rpm (28621×g)	4×400mL	p.157
Low-speed Centrifuge		DM0436E	LCD	3500rpm (2260×g)	12×10mL+12×15mL； 12×15mL；6×50mL；36×7mL； 2×Microplate	p.168
		DM0306	LED	3400rpm (1600×g)	6×10mL	p.170
		DM0412	LCD	4500rpm (2490×g)	8×15mL 12×1.5-5/4-7/8.5-10mL	p.173
		DM0424	LCD	4000rpm (2500×g)	Angle: 8×15mL Angle: 12×1.5-5/4-7/8.5-10mL Angle: 24×15mL Swing: 6×15mL;Swing: 4×50mL	p.175
		DM0408	LED	4000rpm (1900×g)	Angle: 8×15mL Angle: 12×1.5-5/4-7/8.5-10mL	p.175
Low-speed Centrifuge		DM0506	LCD	5000rpm (2600×g)	6×1.5-5/7/10/15mL，4×20/50mL	p.177
Multi-Purpose Low-speed Centrifuge		DM0636	LCD	6000rpm (4020xg)	60×2mL 18×5mL 30×15mL 8×50mL 12×PCR-8 strips 4×Deep Well Plates 8×PCR Microplate or ELISA Microplate	p.178

D1012UA

High Speed Palm Micro Centrifuge

Applications

This centrifuges is ideal for quick spins,microfiltration of samples,cell separations and many other routine laboratory procedures.

Features

- Max.Speed 10000rpm（7490xg）;
- OLED display，may switch speed and time;
- DC motor drive，smooth and quiet operation;
- Safe,endurable and robust rotor with clamp locking design，easy to operate;
- Wide voltage technology：the speed is not affected by voltage fluctuations，high speed accuracy;
- Compatible with 12×0.5/1.5/2mL tubes+4×0.2mL PCR 8-tube strip，44×0.2mL PCR tubes;
- Screen buttons can adjust the start/stop of the motor，supports both soft braking and instant stop modes;
- Simple appearance and structure，only weight 1.5Kg;

SA02P2	Cat.No.19400132
0.2mL rotor adapter Used with FA12-2P rotor 12pcs/pk	

SA05P2	Cat.No.19400133
0.5mL rotor adapter Used with FA12-2P rotor 12pcs/pk	

Specifications	D1012UA
Speed Range	2000-10000rpm,increment:1000rpm
Max.RCF	6708×g-1.5/2mL; 6596-7490×g-PCR8 strips;
Rotor Capacity	44×0.2mL PCR tubes 12×0.5/1.5/2mL tubes+ 4×0.2mL PCR 8-tube strip
Run Time	10s-20min
Display	OLED
Acceleration/Deceleration	1↑/2↓
Driving Motor	DC motor
Power	AC100-240V/50Hz/60Hz 40W
Noise Level	≤58dB
Dimension（D x W x H）	210×180×130mm
Weight	1.5kg

D1008

Palm Micro Centrifuge

Applications

This centrifuges is ideal for quick spins, microfiltration of samples, cell separations and many other routine laboratory procedures.

Features

- Easy to operate with dual start/stop function – Close lid for a spin speed up to 7000 rpm
- Smooth and quiet operation (noise level ≤45dB)
- Accelerates and brakes in seconds
- Safe, endurable and robust rotor with clamp locking design
- Compatible with 8×2mL and 4×0.2mL PCR 8-tube strip rotors
- Quick-change rotor without any tool

Specifications	D1008
Max. Speed	7000rpm
Max. RCF	2680×g
Rotor Capacity	8×0.2/0.5/1.5/2mL 32×0.2mL PCR tubes 4×0.2mL PCR 8-tube strip
Run Time	Continuous operation
Driving Motor DC motor	DC motor
Power Requirements	AC100-240V/50Hz/60Hz 20W
Noise Level	≤45dB
Dimension [D×W×H]	160x170x122mm
Weight	0.5kg

Available rotors

A4-PCR8P **Cat.No.19201165**

Max. speed:7000rpm
Max. RCF:2680×g
Rotor capacity:
32×0.2mL PCR tubes,
4×0.2mL PCR 8-tube strip
Rotor material: High strength plastic

A8-2P **Cat.No.19201164**

Max. speed:7000rpm
Max. RCF:2680×g
Rotor capacity:
8×0.2/0.5/1.5/2mL
Rotor material:High strength plastic
Available rotor adapters:SA02P2, SA05P2

Available adapters

SA02P2 **Cat.No.19400029**

0.2mL rotor adapter
Used with A8-2P rotor
8pcs/pk

SA05P2 **Cat.No.19400026**

0.5mL rotor adapter
Used with A8-2P rotor
8pcs/pk

Quiet operation

Vibration free

D2012 Plus

High Speed Mini Centrifuge

DLAB
D2012 Plus
91 - 99
Select
Pulse
Door
Run/Stop

Features

- Pulse operation for fast and convenient quick spins
- Speed up to 15000rpm (15100×g)
- Brushless DC motor drive quickly to the target speed
- Smooth and quiet operation (noise ≤54dB)
- Automatic lid-lock and over-speed detection
- Passed rigorous explosion-proof test, certified with CE, cTÜVus, FCC

Brushless DC motor

LCD display

Applications

Microcentrifuges are mainly used in molecular biology laboratories for Plasmid extraction; Nucleic acid purification; Pre-sequencing processing and other applications including extracting of DNA/RNA samples,sedimentation biological components, biochemical and chemical analyses of microsamples.

Specifications	D2012 plus
Max. Speed	15000rpm(500-15000rpm), increment: 100rpm
Max. RCF	15100×g, increment: 100×g
Speed Accuracy	±20rpm
Rotor Capacity	12×0.2/0.5/1.5/2mL
Run Time	30sec-99min/Continuous
Acceleration/Braking time	11s↑/9s↓
Driving Motor	Brushless DC motor
Safety Devices	Door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis
Power Requirements	Single-phase, AC100V-240V, 50Hz/60Hz, 3A100W
Noise level	≤54dB
Dimension[D×W×H]	255×245×140mm
Weight	6kg
Other functions	Speed/RCF switch,Short-time run function,sound-alert function

Available rotors

A12-2P **Cat.No.19400175**

Max. speed: 15000rpm
Max. RCF: 15100×g
Rotor capacity:
12×0.2/0.5/1.5/2mL
Rotor material: High strength plastic
Available rotor adapters: A02P2,A05P2

Available adapters

A02P2 **Cat. No.19500001**

0.2mL rotor adapter
Used with A12-2, A12-2P,
AS24-2 and A24-2P
rotors 24 pcs/pk

A05P2 **Cat. No.19500002**

0.5mL rotor adapter
Used with A12-2,A12-2P,
AS24-2 and A24-2P
rotors 24 pcs/pk

D2012S

High Speed Mini Centrifuge

Features

- Pulse operation for fast and convenient quick spins；
- Speed up to 15000rpm（15100xg）；
- Brushless DC motor drive quickly to the target speed；
- Smooth and quiet operation（noise⩽65dB）；
- Automatic door lock and over-speed detection；
- Wide voltage technology：
  speed is not affected by voltage fluctuations，high speed accuracy；

Applications

Microcentrifuges are mainly used in molecular biology laboratories for plasmid extraction；Nucleic acid purification；Pre-sequencing processing and other applications including extracting of DNA/RNA samples，sedimentation biological components，biochemical and chemical analyses of microsamples.

Specifications	D2012S
Max.Speed	15000rpm（300-15000rpm), increment:100rpm
Max.RCF	15100xg
Speed Accuracy	±20rpm
Rotor Capacity	12×0.2/0.5/1.5/2mL 18×0.2/0.5/1.5/2mL 6×0.5mL+6×5mL 4×0.2mL PCR 8-tube strip
Run Time	30s-99min
Driving Motor	Brushless DC motor
Safety Devices	Door interlock,over-speed detection, over-temperature detection, automatic internal diagnosis
Display	LCD
Power	100~240 V，50/60 Hz； 70W
Noise Level	⩽65dB
Dimension（D x W x H）	272mm×260mm×154mm
Weight	6.2Kg
Other functions	Speed/RCF switch, short-time run function, sound-alert function

A18-2P **Cat.No 19400158**

Use for:D2012S
Max speed:15000rpm
Max RCF:16750×g
Rotor capacity:18×0.2/0.5/1.5/2mL
Rotor material:High strength nylon
available rotor adapters:A02P2, A05P2

A6-5VP **Cat.No 19400156**

Use for:D2012S
Max speed:15000rpm
Max RCF:16520×g
Rotor capacity:6×0.5mL+6×5mL
Rotor material:High strength nylon

A4-PCR8 **Cat.No 19400157**

Use for:D2012S
Max speed:15000rpm
Rotor capacity:4×0.2mL
PCR 8-tube strip
Rotor material:zicral

NEW

DG1616

High Speed Centrifuge

DG1616R

High Speed Refrigerated Centrifuge

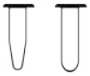
Features

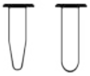
- **Smart Touch Control, Easy Operation**
  The newly upgraded touch UI interface makes operation simpler and more intuitive. No complex setup required—easy to use right out of the box, boosting lab efficiency!
- **Ultra-High Speed and RCF**
  Maximum speed of 16,000 rpm and maximum RCF of 28,621 ×g easily meet a wide range of separation needs, ensuring experimental precision.
- **Wide Temperature Control Range for Various Applications**
  Temperature range from -10°C to 40°C ensures stable performance even in low-temperature environments, ideal for temperature-sensitive separation experiments.
- **Rapid Cooling for Optimized Results**
  Quickly cools from room temperature to 4°C in as fast as 7 minutes, providing a more efficient experimental environment.
- **Quiet Operation for a Peaceful Lab**
  Equipped with a brushless DC motor, noise levels are as low as 70 dB, reducing disturbance and creating a comfortable workspace.
- **Safety Features with Intelligent Detection**
  Built-in dynamic balance detection with automatic rotor imbalance warning helps prevent equipment damage and operational errors, ensuring safe and reliable use.
- **Adjustable Acceleration and Deceleration Levels**
  Nine selectable acceleration and deceleration levels to flexibly meet different experimental needs.
- **Smooth Deceleration with Soft Braking**
  Minimizes sample disturbance and enhances separation performance, ensuring high-quality results.
- **Program Storage**
  Supports storage of up to 100 user-defined programs for easy one-touch recall based on experimental needs.
- **Wide Range of Rotors and Adapters**
  Multiple rotor and adapter options available to meet diverse lab requirements: supports centrifugation of 400mL and 200mL bottles; also compatible with 100mL, 85mL, 50mL, 15mL, 12mL, 10mL, 7mL, 5mL, 2mL, and 1.5mL tubes. Additionally supports centrifugation of 384-well PCR plates, 96-well microplates, and 8-strip PCR tubes.

Application

- **Life Sciences and Biological Research:** Biochemical studies, immunology, and clinical medicine-related applications.
- **Pharmaceutical Industry:** Suitable for drug development, including CRO services.
- **Environmental Protection:** Environmental analysis, such as water quality testing and pollutant analysis.
- **Chemical Industry:** Separation and extraction of organic and inorganic chemical samples.
- **Food Industry:** Separation of fats, proteins, and other biochemical substances.
- **Soil Analysis:** Extraction and analysis of soil organic matter and nutrients.
- **Petroleum and Mining Industry:** Pretreatment of petroleum and mineral samples, including sediment separation.
- **Textile Industry:** Analysis and processing of textile fibers and blended materials.
- **Microbiology:** Microbial culture and preservation research.

Specifications	DG1616	DG1616R
Max. Speed	16000rpm (300-16000rpm) in 1 rpm increments.	16000rpm (300-16000rpm) in 1 rpm increments.
Max. RCF	28621×g,step:1×g	28621×g,step:1×g
Max. Capacity	4×400mL	4×400mL
Time Setting	30s-99h59min59s/ HOLD(continuous running)	30s-99h59min59s/ HOLD(continuous running)
Temperature Setting	-	-10°C-40°C
Speed up and down gears	9↑/9↓	9↑/9↓
Program storage	100	100
Motor Type	Brushless DC Motor	Brushless DC Motor
Noise Level	≤70dB	≤70dB
Power Supply	100-240V，50/60HZ 650W	100-240V，50/60HZ 1050W
Size（L×W×H）	440×640×375mm	623×640×375mm
Weight	70Kg	90Kg
Allow ambient temperature and humidity	5~40°C,80%RH	5~40°C,80%RH

Cat.No	**19400154**					
Rotor Model	**SR4-200**					
Rotor Image						
Max.speed	5500 rpm					
Max.RCF	5495 xg					
Centrifugal Radius	16.25cm					
Capacity	4x200mL	4x100mL	4x50mL	20x15mL	32x7mL	48x2mL
Adapter	–	100mL Adapter	50mL Adapter	15mL Adapter	5/7mL Adapter	2mL Adapter
Adapter Cat.No	–	19500050	19500051	19500052	19500053	19500054
Adapter Image	–					
Package	4 Hanging Cups, Lids, and Handles	2 Adapter	2 Adapter	2 Adapter	2 Adapter	2 Adapter
Tube Capacity	180mL PP Polypropylene Centrifuge Tube	100mL round bottom Open-End Tube	50mL Conical Tube	50mL Conical Tube	5/7mL Blood Collection Tube	1.5/2mL Microcentrifuge Tube
Tube Specifications (Ø×L mm)	56.5×123	45×117	29.5×116	17×121	13×110	11×45
Tube Image						

Cat.No	**19400155**					
Rotor Model	**SR4-400**					
Rotor Image						
Max.speed	5000 rpm					
Max.RCF	4639 xg					
Centrifugal Radius	16.6cm					
Capacity	4x400mL	4x100mL	16x50mL	36×15mL	76x7mL	136x2mL
Adapter	–	100mL Adapter	50mL Adapter	15mL Adapter	5/7mL Adapter	2mL Adapter
Adapter Cat.No	–	19500045	19500046	19500047	19500048	19500049
Adapter Image	–					
Package	4 Hanging Cups, Lids, and Handles	2 Adapter	2 Adapter	2 Adapter	2 Adapter	2 Adapter
Tube Capacity	400mL PP Polypropylene Centrifuge Tube	100mL round bottom Open-End Tube	50mL Conical Tube	50mL Conical Tube	5/7mL Blood Collection Tube	1.5/2mL Microcentrifuge Tube
Tube Specifications (Ø×L mm)	80×125	45×117	29.5×116	17×121	13×110	11×45
Tube Image						

SE4-100 (Standard accessory) Cat. No.19400041

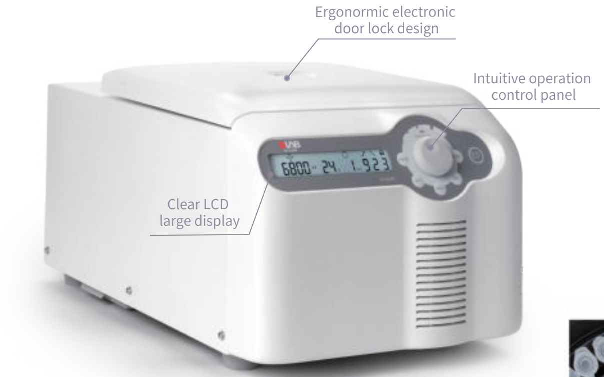
for DG1616/DG1616R&DM0636
Max. speed: 4000rpm
Max. RCF: 2950×g
Rotor material: stainless steel body and adapter

Cat.No.	19400045		19400044			19400043	19400042				
bucket	x 4		x 4			x 4	x 4				
tube	x 36		x 16			x 8	x 4	x 4	x 4	x 8	x 20
Nominal volume	3-7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3-7mL
Ø×L mm	13x75	13x100	16x100	17x105	17x120	29.5x100	38x108	38x104	29.5x100	17x120 13x100 13x75	13x100 13x75
tube											
adapter	with plug	-	-	A15V Optional accessory		A50V Optional accessory	-	A100P80 A50V Optional accessory	A100P50/80	A100P15	A100P10
Package	36	-	-	16		8	-	4	4	4	4
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20
Radius(cm)	14	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.1	14.7
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630

Cat.No	19400034	19400035	19400036	19400037
Rotor Model	**AS30-2**	**AS18-5V** (cone bottom)	**AS12-PCR8**	**AS60-2**
Rotor Image				
Max.speed	16000rpm	15000rpm	14000rpm	14000rpm
Max.RCF	28620xg	25155xg	21912xg	21912xg
Centrifugal Radius	10cm	10cm	10cm	10cm
Capacity	30x2mL	18x5mL(cone bottom)	12xPCR 8-Tube Strip	60x2mL
Rotor Material	Aluminum	Stainless Steel Body, Aluminum Head	Aluminum	Aluminum
Biological Sea	Yes	Yes	Yes	Yes
Cat.No	19400038	19400039	19400040	19400062
Rotor Model	**AS6-50V** (cone bottom)	**A8-50** (cone bottom)	**A30-15** (cone bottom)	**S2-MP**
Rotor Image				
Max.speed	12500rpm	5000rpm	4500rpm	4000rpm
Max.RCF	17468xg	3968xg	3210xg	2200xg
Centrifugal Radius	10cm	14.2cm	14.18cm	12.3cm
Capacity	6x15mL or 6x50mL	16x15mL or 8x50mL	30x15mL	8×384 microplates/96 microplates/Elisa plate；4×Deep well plates
Rotor Material	Aluminum	Aluminum Body, Stainless Steel Adapter (With Adapter SE100P31x8,SE100P17x16)	Aluminum Body, Stainless Steel Adapter (With AdapterSE100P17x30)	Stainless Steel Body, Aluminum Head
Biological Sea	Yes	/	/	/

D1524R

High-speed Refrigerated Micro Centrifuge


Ergonormic electronic door lock design
Intuitive operation control panel
Clear LCD large display
6800 24 1.923

Applications

Ideal for centrifugation of temperature sensitive samples, such as live cells, animals or proteins. It allows them to be used in a multitude of applications, including pelleting of DNA and RNA samples, pelleting of PCR amplified nucleic acids, separation of antibody and protein precipitates, performing enzymatic tests, removing cell debris from cell homogenates, and achieving bacterial and yeast cell fractionation.

11-0320
15000 rpm
AS24-2

Features

- Electronic Magnetic door locking system - the lid can be closed with one hand soft touch
- Precooling, the compressor automatically starts cooling as long as the set temperature is lower than the ambient temperature
- Sound indicator at the end of running.
- Temperature range -20°C to 40°C
- Short pre-cooling time of only 7minutes from room temperature to 4°C
- Up to 9 program storage capacity
- 3-layer sealed rotors ensure safe centifugation
- High-strength aluminum alloy rotor can be fully autoclavable at 121°C
- Rotor imbalance detection alarm
- Adjustable acceleration/deceleration at 9 levels allows gentle braking at low speed for better separation
- Five rotors with 0.2mL, 0.5mL, 1.5mL, 2mL and 5mL centrifuge tubes/ PCR tubes capacity
- An external condensation tank prevents water accumulation within centrifuge chamber

Specifications	D1524R
Max. Speed	15,000rpm (200-15,000rpm) in 100rpm increments.
Max. RCF	21,380×g, step: 10×g
Capacity	36×0.2/0.5mL，24×1.5/2mL， 4×0.2mL PCR 8-tube strip， 12×5mL (cone bottom)， 18×5mL (round bottom)
Temperature setting	-20°C- 40°C
Run Time	30s-99 min; HOLD (continuous running)
Acceleration and deceleration time	25s↑25s↓
Motor Type	Brushless DC motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.
Power Requirements	Single-phase，100-120V/200-240V, 50Hz/60Hz.500W
Noise Level	≤56dB
Dimensions[WxDxH]	332 × 553 × 283mm
Weight	30kg
Other functions	Rotation speed/RCF switchover, inching operation, running processindicator, sound alert. Adjustable acceleration/deceleration at 9 levels program storage capacity.

D1524

High-speed Micro Centrifuge

D1524C

Hematocrit Centrifuge

NEW

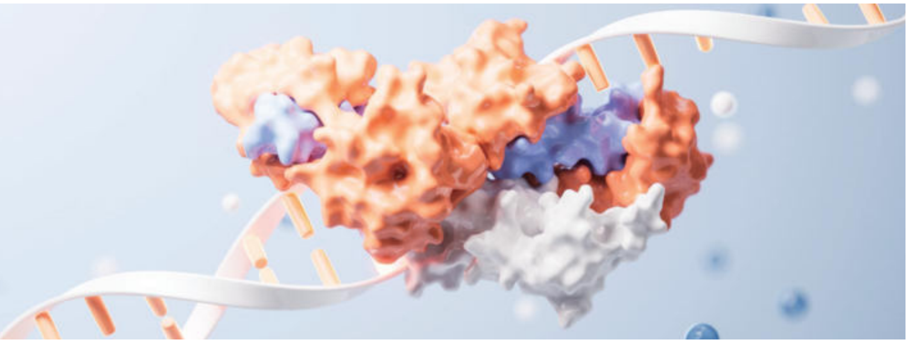
Features

- Speed range of 200–15000 rpm to meet various experimental needs.
- Motor lock adsorption design allows one-handed lid closure.
- Intuitive menu and LCD display for easy and clear operation.
- Maintenance-free brushless DC motor ensures stable and reliable performance.
- Stores up to 9 frequently used programs for quick recall.
- Nine acceleration/deceleration rates with soft braking for smoother separation.
- Supports speed/RCF conversion, short spin, and audible alarm functions.
- Dual-lock lid, overspeed, over-temperature, and diagnostic systems for enhanced safety.

Applications

The high-speed centrifuge is widely used in molecular biology, clinical chemistry, microbiology, as well as clinical diagnostics and scientific research fields.

The hematocrit centrifuge measures red blood cell volume and separates micro samples. It supports biochemical, immunological, genetic, and clinical tests, bilirubin measurement in neonatal samples, and DNA/RNA extraction. Widely used in clinical and veterinary applications.



Specifications	D1524	D1524C
Max. Speed	15,000rpm (200-15,000rpm) in 100rpm increments.	12,000rpm (200-12,000rpm) in 100rpm increments.
Max. RCF	21,380×g, step: 10×g	13,680×g,step: 10×g
Capacity	24×1.5/2mL， 36×0.5mL, 4×PCR-8 strips, 12×5mL,18×5mL	AC24P(Capillary tubes×24)
Run Time	30s-99 min; HOLD (continuous running)	30s-99min；HOLD(continuous running)
Acceleration and deceleration time	25s↑25s↓	25s↑25s↓
Motor Type	Brushless DC motor	Brushless DC motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.
Power Requirements	Single-phase，200-240V，50/60Hz，210W 100-120V，50/60Hz，200W	Single-phase，200-240V，50Hz/60Hz，210W 100-120V，50Hz/60Hz，200W
Noise Level	⩽64dB	⩽65dB
Dimensions[WxDxH]	280 × 400 × 240mm	280×400×240mm
Weight	8.8kg	8.8kg
Other functions	Rotation speed/RCF switchover, inching operation, running processindicator, sound alert. Adjustable acceleration/deceleration at 9 levels program storage capacity.	Rotation speed/RCF switchover, inching operation, running processindicator, sound alert. Adjustable acceleration/deceleration at 9 levels program storage capacity.

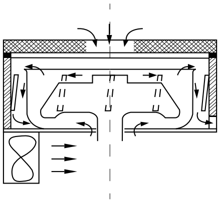
D3024

High Speed Micro Centrifuge

Brushless DC motor

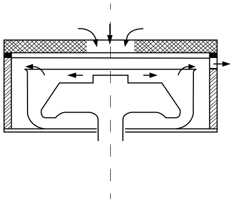
Wide range of rotors

Effective Ventilation System



Double cooling air design, enforcing air cooling from both the upper and lower side for the rotor.

Conventional design



Limited ventilation on the upper side of the rotor

Features

- Double cooling air design ensures fast cooling of the rotor and low energy consumption
- 3-layer sealed rotors ensure safe centifugation
- Brushless motor drive, maintenance free
- Safety features include door interlock; excessive speed and temperature detection; automatic self-diagnostics
- Outstanding aluminum alloy rotors fully autoclavable at 121°C temperature and high pressure disinfection
- Five rotors are optional complete with 24 places 1.5/2.0mL tubes,5.0mL, 0.2mL and 0.5mL tubes with adapters

Applications

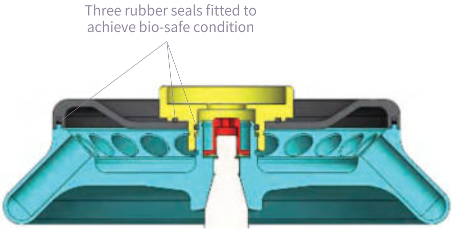
Suitable for numerous biological, chemistry, clinical and research applications including molecular biology, clinical chemistry labs, wide variety of microbiology applications, such as DNA, RNA or protein isolation and many more.

D3024/D3024R
Autoclavable 121°C
Fasten well
Lock
15000 rpm
Bioasafety

DLAB rotors are manufactured from military-industrialgrade aluminum alloy with high mechanical strength for precise running and safety (excludes D2012 plus rotor)

- Every rotor can reach a maximum Speed of 15000rpm
- Rotors are seated on a tapered shaft,concentric and self-aligning, perfect to achieve running stability at high speeds
- D3024&D1524&D1524R with three-layer sealed rotors/ anti- sample overflow prevents accidental leakage
- D3024&D1524&D1524Rrotors have passed MCA test according to IEC/EN61010-2-20, including mechanical safety and bio-safety tests
- Powerful cooling system minimizes rotor heating. D3024&D1524 rotors maintain at 10°C and D1524R rotors less than 8°C after running an hour

Seals within the aluminum alloy rotor



D3024/D3024R
Autoclavable 121°C
Lock
Fasten well
Biosafety
AS24-2
15000 rpm
13-0128

Rotor Features

Fully autoclavable

High strength aluminum alloy rotors are fully autoclavable, withstanding steam sterilizing at 121°C for 20 minutes

Three-layer seal

D3024&D1524&D1524Rrotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

Mechanical safety

DLAB centrifuges confirm to MCA standard IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantees that no part shall be detached to cause danger to person or the environment.

Specifications	D3024
Max. Speed	15000rpm(200-15000rpm), increment:10rpm
Max. RCF	21380×g, increment:10×g
Speed Accuracy	±20 rpm
Rotor Capacity	36×0.2/0.5mL,24×1.5/2mL, 4×0.2mL PCR 8-tube strip, 12×5mL(cone bottom), 18×5mL(round bottom)
Run Time	30sec-99min/Continuous
Acceleration/Braking time [Sec]	25s↑25s↓
Motor	Brushless DC motor
Safety Devices	Dual door interlock, Over-speed detection, Automatic internal diagnosis
Power Requirements	Single-phase, AC200V-400V, 50Hz/60Hz, 5A,AC100V-120V, 50Hz/60Hz, 8A 200W
Noise Level	≦64dB
Dimension[W×D×H]	280×364×266mm
Weight	12kg
Other functions	Speed/RCF switch; Short-time run function; sound-alert function

Available rotors

AS24-2 Cat. No.19400069

for D3024&D1524&D1524R
Max. speed: 15000rpm
Max. RCF: 21380×g
Rotor capacity: 24×0.2/0.5/1.5/2mL
Rotor material: Aluminum alloy
Biosealing: Yes
Available rotor adapters: A02P2,A05P2

AS18-5 (round bottom) Cat. No.19400073

for D3024&D1524&D1524R
Max. speed :15000rpm
Max. RCF:21380×g
Rotor capacity:
18×5mL(round bottom)
Rotor material:Aluminum alloy
Biosealing:Yes

AS12-5V (cone bottom) Cat. No.19400070

for D3024&D1524&D1524R
Max. speed: 15000rpm
Max. RCF: 21380×g
Rotor capacity: 12×5mL(cone bottom)
Rotor material: Aluminum alloy
Biosealing: Yes

AS36-05 Cat. No.19400071

for D3024&D1524&D1524R
Max. speed: 15000rpm
Max. RCF: 21380×g
Rotor capacity: 36×0.2/0.5mL
Rotor material: Aluminum alloy
Biosealing: Yes
Available rotor adapters: A02P05

AS4-PCR8 Cat. No.19400072

for D3024&D1524&D1524R
Max. speed: 15000rpm
Max. RCF: 21380×g
Rotor capacity:
32×0.2mL or 4×0.2mL PCR 8-tube strip
Rotor material: Aluminum alloy
Biosealing: Yes

Available adapters

A02P2 Cat. No.19500001

0.2mL rotor adapter
Used with A12-2, A12-2P, AS24-2 and A24-2P rotors 24pcs/pk

A05P2 Cat. No.19500002

0.5mL rotor adapter
Used with A12-2, A12-2P, AS24-2 and A24-2P rotors
24pcs/pk

A02P05 Cat. No.19500003

0.2mL rotor adapter
Used with AS36-05 rotor
36pcs/pk

DM1424

Hematocrit Centrifuge

Features

- Speed range of 200-12000 rpm Precise and independent control of speed and time
- Easy operation with intuitive menu and LCD display
- Maintenance-free brushless DC motor
- Pulse operation for fast and convenient quick spins
- Advance features include speed/RCF switch; short-time run function; audible alert function
- Safety features include door interlock, overspeed detector;over-temperature detector; automatic internal diagnosis and automatic rotor identification

DM1224

Economical Hematocrit Centrifuge

Features

- Speed range of 500-12000 rpm
- Precise control of speed and time
- Maintenance-free brushless DC motors
- Door interlock

Applications

DLAB hematocrit centrifuges are used for determination of erythrocyte fractions in blood as well as micro solution separations. It provides hematocrit values (HCT) for testing in biochemistry, immunity, genetics, blood separation and for general clinical tests for diagnostic purposes and also for dope tests. They have special applications for the photometric determination of bilirubin content in neonate blood samples. They are suitable for extraction of DNA and RNA. Veterinary clinics and Vitamins testing for Infants.

Specifications	DM1424	DM1224
Speed Range	200-12000rpm, increment: 10rpm	500-12000rpm, increment: 100rpm
Max. RCF	13680×g	13680×g
Speed Accuracy	±20	±100
Run Time	30sec-99min/Continuous	10sec-99min/Continuous
Motor	Brushless DC motor	Brushless DC motor
Display	LCD	LCD
Safety Devices	Door interlock,Overspeed detector; Automatic internal diagnosis, Automatic rotor identification	Door interlock
Acceleration/Braking time	30s↑30s↓	40s↑40s↓
Power Requirements	Single-phase, 200V-240V,50Hz/60Hz, 5A; 100V-120V,50Hz/60Hz, 5A 160W	Single-phase, 200V-240V,50Hz/60Hz, 5A; 380W
Dimension[WxDxH]	280×364×274mm	280×364×213mm
Weight	10.5kg	8.5Kg
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function	Speed/RCF switch; Short-time run function; sound-alert function

Available rotors

AC24 Cat. No.19400047

DM1424 & DM1224
Max. speed: 12000rpm
Max. RCF: 13680×g
Rotor capacity: 24×capillary tubes
Rotor material: High strength aluminum

DM0436E

Low Speed Centrifuge

DLAB
3500
10:00

Features

- Speed Range: 100-3500rpm, increment 100rpm;
- Five horizontal rotors available for selection：12×10mL+12×15mL；12×15mL；6×50mL；36×7mL；2×Microplate，Can meet different sample processing needs；
- Supports both timed and continuous operation modes;
- Adjustable descending speed: 6-speed descending, reasonable braking curve to ensure that the samples are not confused and the separation effect is better;
- LCD display, real-time display of operating parameters;
- Large safety margin, low noise ⩽ 55dB (A): high-strength sheet metal rotor and excellent dynamic balancing technology to ensure stable operation of the machine subwoofer Reinforced hinge,provides maximum safety and durability;
- Safety features: running process display, audible alert function, status diagnostic system.

Applications

DM0436E centrifuges is ideal for chemistry,cytology,research laboratories,industrial laboratories and other.This is suitable for tubes with caps,blood collection or urine tubes.

Specifications	DM0436E
Max.Speed	100-3500rpm，increment 100rpm
Max.RCF	2260 xg
Speed Accuracy	±20rpm
Rotor capacity	12×10mL+12×15mL；12×15mL；6×50mL；36×7mL；2×Microplate
Time setting range	30s-99min59s/Continuous
Display	LCD
Noise Level	⩽55dB
Motor type	Brushless DC Motor
Acceleration/Deceleration	1↑/6↓
Enclosure protection class	IP20
Voltage	Single-phase,100-240V
Frequency	50/60Hz
Power	170W
Dimensions [L×W×H]	481.5×414×253.5mm
Weight	15kg
Permissible ambient temperature and humidity	5-40°C,80%RH
Safety performance	Running process display, Status diagnostic system,Sound alert function

Available rotors

SE12-25 **Cat. No.19400272**

Maximum speed：3500rpm
Maximum centrifugal force：
2260xg
Maximum capacity：
12×10mL+12×15mL
Texture of material：
Stainless Steel

SE6-50 **Cat. No.19400270**

Maximum speed：3500rpm
Maximum centrifugal force：
2260xg
Maximum capacity：
6×50mL
Texture of material：
Stainless Steel

SE36-7 **Cat. No.19400273**

Maximum speed：3500rpm
Maximum centrifugal force：
2260xg
Maximum capacity：36×7mL
Texture of material：
Stainless Steel

SE2-MP **Cat. No.9025001134**

Maximum speed：2500rpm
Maximum centrifugal force：
1150×g
Maximum capacity：
2×Microplate
Texture of material：Stainless Steel

SE12-15 **Cat. No.19400271**

Maximum speed：3500rpm
Maximum centrifugal force：
2260xg
Maximum capacity：12×15mL
Texture of material：
Stainless Steel

DM0306

Low Speed centrifuge

NEW

Features

- Beautiful appearance and small space occupation;
- Speed: 3400 rpm (1600xg);
- Rotor capacity: supports 6 × 3-10mL blood collection tubes;
- Electronic timer with a time setting range of 0.5-30 minutes, capable of continuous operation;
- LED screen, capable of displaying remaining running time;
- 1st gear up speed, 3rd gear down speed, supports gentle braking function, meets different experimental needs;
- Automatic lock cover, when the centrifuge is running, the upper cover cannot be opened, and the mechanical door lock is firmly secured to prevent debris from escaping;
- Transparent cover, convenient for sample observation and optical calibration, providing maximum safety and durability;

SE6-10P **Cat. No.19400145**

Maximum capacity：6×10mL
Maximum speed：3400rpm
Maximum centrifugal force：1600×g
Texture of material：High strength plastic

Applications

DM0306 is widely used in clinical practice and is an ideal choice for serum and plasma sample separation in biochemical and medical laboratories. It is the main instrument for sample pretreatment in clinical laboratories, blood banks, medical schools, and medical research institutions.

Specifications	DM0306
Maximum speed	3400rpm
Maximum relative centrifugal force	1600×g
Rotor capacity	6×3mL-10mL Blood collection tube
Maximum acceleration time	<10S
Maximum deceleration time	<20S
Timer display	LED
Time setting range	0.5-30min/Hold
Speed up/down gear	1↑/3↓
Motor type	AC fixed frequency brushless motor
Shell protection level	IP20
Noise level	≤63dB
Voltage	100-120V，200-240V
frequency	50Hz，60Hz
power	80W
Protection circuit breaker	4A Replaceable
Size [length x width x height]	359×318×222mm
Weight [kg]	5.3kg
Allow ambient temperature and humidity	5-40°C，80% RH
Security performance	Explosion proof test, door lock protection,manual door lock can be unlocked

DM0412

Low Speed Centrifuge

Features

- Easy operation with intuitive menu and easy-to-read display
- Speed can be set in RPM/RCF
- Maintenance-free brushless DC motor
- Quick spin function with press and hold pulse key
- Lid with electric lock and automatic release function
- Automatic lid-lock release after running
- Braking time 2 steps adjustable only for A6-50P rotor
- High strength plastic rotor gives excellent balance to guarantee stable working
- Dual protection housing particularly benefit for safe running
- Gentle braking at low speeds with efficient separation
- CE marked, cTÜVus, and passed explosion-proof test

Applications

DM0412 is ideal for separation of whole blood components, such as serum, plasma, buffy coat, red blood cells, as well as other bodily fluids.

Specifications	DM0412
Speed Range	300-4500rpm,increment: 100rpm
Max. RCF	2490×g
Speed accuracy	±20rpm
Rotor type	A12-10P, A6-50P
Run Time	30sec-99min HOLD (Continuous operation)
Motor	Brushless DC motor
Display	LCD
Safety Devices	Door interlock, Overspeed detector; Automatic internal diagnosis
Acceleration/Braking time	A12-10P: 20s↑13s↓ A6-50P: 20s↑20 s /90 s↓
Power Requirements	Single-phase,100V-240V, 50Hz/60Hz, 3A70W
Dimension[WxDxH]	354×304×215mm
Weight	6kg
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function

Available rotors

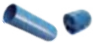
A12-10P (round bottom) Cat. No.19400068

for DM0412 & DM0424 & DM0408
Max. speed: 4500rpm
Max. RCF: 2490×g
Rotor capacity: 12×10mL or 8×15mL
Rotor material: High strength plastic

A6-50P (round bottom) Cat. No.19100197

For DM0412(A6-50P)
Max.speed: 4000rpm
Max.RCF: 1800×g
Rotor capacity: 50mL×6 or 15mL×6
Rotor material: High strength plastic

A12-10P and A6-50P are not interchangeable

Available tubes	Tube quantity	Dimension (ØLxmm)	Adapters	Maximum speed(rpm)	Radius (cm)	Maximum RCF(×g)
15mL con	8	17×120	-	4500	11	2490
1.5-5mL vacu	12	13×75	A10P15 & Plug 	4500	9.8	2218
4-7mL vacu	12	13×100	A10P15	4500	11	2490
		16×75	Plug		9.8	2218
8.5-10mL vacu	12	16×107	-	4500	11	2490

DM0424&DM0408

Multi-Purpose low Speed Centrifuge

Features

- Quiet, compact, and convenient with LCD display
- Maximum up to 4000rpm Speed can be set in RPM/RCF, with 3 customizable routine programs (Blood, Urine & Faecal)
- 3 acceleration level & 4 level deceleration
- Maximum capacity 4×50mL, Accommodating different sizes of blood collection tubes and centrifuge tubes suitable for swing out rotor and angle rotor
- Automatic internal diagnosis and self-detection
- Maintenance-free brushless DC motor

Applications

Multi-purpose low speed centrifuge are versatile and can be used in applications from clinical to biochemical for qualitative analysis of serum, plasma, blood, and urine.

Specifications	DM0424	DM0408
Speed range	500-4000rpm increment: 100rpm	300-4000rpm increment: 100rpm
Max. RCF	2500×g	1900×g
Speed accuracy	±100rpm	±100rpm
Rotor	Swing6×15mL Swing4×50mL Angle 24×15mL, Angle 12×10mL or 8×15mL	Angle 8×15mL(Default) Angle 12×10mL or 8×15mL
Run time	1-99min, HOLD	1-99min, HOLD
Motor	Brushless DC motor	Brushless DC motor
Display	LCD	LED
Program	Blood: 3200rpm,10min. Urine: 1800rpm,5min. Faecal: 1300rpm,10min.	Blood: 3200rpm, 10min Urine: 1800rpm,5min Faecal: 1300rpm, 10min
Safety Device	Automatic internal diagnosis	Automatic internal diagnosis
Acceleration/deceleration	3↑4↓ steps	25s↑35s↓
Power Requirements	Single phase， 100-240V，50Hz/60Hz，110W	Single phase， 100-240V，50Hz/60Hz，85W
Dimension(W×D×H)	364×440×268mm	286×367×227mm
Weight	14.5kg	9.2kg
Noise Level	⩽62dB(A)	⩽60dB(A)

Available rotors

S6-15 **Cat. No.19400082**

for DM0424
Max. speed: 4000rpm
Rotor capacity: 6×15mL
Rotor material：Aluminum alloy
Default adaptor: A15P22，A5P17

S4-50 **Cat. No.19400100**

for DM0424
Max. Speed: 4000rpm
Rotor capacity: 4×50mL
Rotor material：Aluminum alloy
Default adaptor: A15P30，A5P17

A24-15P **Cat. No.19400101**

for DM0424
Max. speed: 4000rpm
Rotor capacity: 24×15mL
Rotor material：High strength plastic
Default adaptor: A15P22，A5P17

A8-15P **Cat. No.19400084**

for DM0424/DM0408
Max. Speed: 4000rpm
Rotor capacity: 8×15mL
Rotor material: High strength plastic
Default adaptor: A15P22

A12-10P **Cat.No.19400068**

for DM0424/DM0408
DM0412
Max.speed： 4000rpm
Rotor capacity: 8×15mL or 12×10mL
Rotor material: High strength plastic

Available adapters

A15P30 **Cat. No.19500024**

50mL change 15mL adapter, Adapted to 17×120mm centrifuge tube, 13/16×100mm blood collection tube 4pcs/pk, for S4-50

A15P22 **Cat. No.19500021**

15mL adapter for 17×120mm centrifuge tube, 13/16×100mm blood collection tube 24 pcs/pk, for S6-15, A24-15P, A8-15P

A5P17 **Cat. No.19500022**

5mL adapter, Adapted to 13×75mm blood collection tube 24 pcs/pk, for S4-50, S6-15, A24-15P

A2P17(Optional) **Cat. No.19500023**

1.5/2mL Cryogenic Vials/ centrifuge tube adapter, 24 pcs/pk, for S4-50, S6-15, A24-15P, A12-10P, A6-50P

DM0506

Low-speed Centrifuge

Features

- Speed range from 300-5000 rpm
- Set and displayed by RPM or G-force
- Two programs P1/P2, easy to start the procedure by one key
- Two deceleration speeds setting to meet different requirements
- Easy-to-read LCD display and sound alert
- Automatic lid-lock release after running
- Maintenance-free brushless DC motor

Applications

DM0506 is widely used in the medical industry. Ideal for separation of serum, plasma, urine, fecal samples in biochemical & medical laboratories. It is an essential equipment of every clinical laboratory, blood bank, medical college and medical research institute.

Available rotors

A6-15P **Cat. No.19400295**

DM0506
Max. speed: 5000rpm
Max. RCF:2600×g
Rotor capacity: 6×15mL
Rotor material: High strength plastic

A4-50P **Cat. No.19400294**

DM0506
Max. speed: 5000rpm
Max. RCF: 2600×g
Rotor capacity: 4×50mL
Rotor material: High strength plastic

Available adapters

A5P17 **Cat. No.19500022**

5mL adapter, Adapted to 13×75mm blood collection tube
Applied to: A6-15P

A2P17 **Cat. No.19500023**

1.5/2mL adapter, Adapted to 11×43mm centrifuge tubes and cryogenic vials.
Applied to: A6-15P

Specifications	DM0506
Speed Range	300-5000rpm, increment:10rpm
Max. RCF	2600×g，increment：10×g
Speed accuracy	±20rpm
Rotor type	6×1.5-5/7/10/15mL，4×20/50mL
Run Time	30sec-99min, HD (continuous running)
Display	LCD
Preloaded Program	P1/P2
Acceleration/Deceleration	1↑ 2↓
Safety Devices	Door interlock, Overspeed detector, Automatic internal diagnosis
Motor	Brushless DC motor
Power Requirements	Single-phase, 100V-240V, 50Hz/60Hz, 70W
Dimension[WxDxH]	300X240X180mm
Weight	5.2kg
Advanced features	Speed/RCF switch; sound-alert function

DM0636

Multi-Purpose Low-speed Centrifuge

Features

- Speed from 300-6000 rpm
- Maximum capacity : 4×100mL
- 9 Acceleration/10 Brake speed settings to ensure optimal separation
- A wide range of rotors optional(fixed angle and swing-out rotors)
- Automatic rotor identification
- Pulse Key for quick spin
- 9 procedures stored in memory makes the operation much simplified
- Maintenance-free brushless DC motor
- Suitable for tubes with caps, blood collection or urine tubes
- Comprehensive and versatile range of accessories

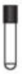
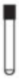
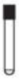
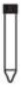
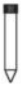
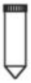
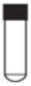
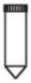
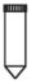
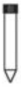
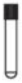
Specifications	DM0636
Speed Range	300-6000rpm increment:10rpm
Max. RCF	4020xg
Speed accuracy	±20rpm
Max. Capacity	4×100mL
Run Time	30sec-99mins/continuous
Motor	Brushless DC motor
Display	LCD
Program Memory	9
Safety Devices	Door Imbalance protection Over speed & Over temperature detection
Acceleration/Deceleration	9↑/10↓ steps
Power Requirements	400W; Single-phase AC220V-240V, 50Hz/60Hz, 6.3A; AC110V-120V,50Hz/60Hz,10A
Noise Level	≤65dB
Dimension[WxDxH]	570×445×295mm
Weight	36kg
Advanced features	speed/rcf switch; Rotor identification

Applications

DM0636 is ideal for chemistry, cytology, research laboratories, industrial laboratories and other. This is suitable for tubes with caps, blood collection or urine tubes. Swing-out rotors and adapters can be compatible with standard tubes up to 100mL at low speed.

SE4-100 (Standard accessory) **Cat. No.19400041**

for DM0636
Max. speed: 4000rpm
Max. RCF: 2950×g
Rotor material: stainless steel body and adapter

Cat.No.	19400045		19400044			19400043	19400042				
bucket	x 4		x 4			x 4	x 4				
tube	x 36		x 16			x 8	x 4	x 4	x 4	x 8	x 20
Nominal volume	3-7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3-7mL
Ø×L mm	13x75	13x100	16x100	17x105	17x120	29.5x100	38x108	38x104	29.5x100	17x120 13x100 13x75	13x100 13x75
tube											
adapter	with plug	-	-	A15V		A50V	-	A100P80 A50V	A100P50/80	A100P15	A100P10
Package	36	-	-	16		8	-	4	4	4	4
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20
Radius(cm)	14	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.1	14.7
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630

Available rotors

S2-MP Cat. No.19400062

DM0636
Max. speed: 4000rpm
Max. RCF: 2200×g
8×384 microplates/96 microplates/
Elisa plate；4×Deep well plates
Rotor material: stainless steel body and
aluminum buckets

AS6-50V (cone bottom) Cat. No.19400038

DM0636
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 6×15mL or 6×50mL
Rotor material: aluminum
Biosealing: Yes

AS12-PCR8 Cat. No.19400036

DM0636
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity:
12×PCR 8-tube strip
Rotor material: aluminum
Biosealing: Yes

AS18-5V (cone bottom) Cat. No.19400035

DM0636
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 18×5mL
Rotor material: stainless steel body
and aluminum buckets
Biosealing: Yes

AS30-2 Cat. No.19400034

DM0636
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 30×2mL
Rotor material: aluminum
Biosealing: Yes

A8-50 (round bottom) Cat. No.19400039

DM0636
Max. speed: 5000rpm
Max. RCF: 3960xg
Rotor capacity: 16×15mL or 8×50mL
Rotor material: aluminum body
and stainless steel adapter
Default adapters: SE100P31x8,SE100P17x16

AS60-2 Cat. No.19400037

DM0636
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 60×2mL
Rotor material: aluminum
Biosealing: Yes

A30-15 (round bottom) Cat. No.19400040

DM0636
Max. speed: 4500rpm
Max. RCF: 3210xg
Rotor capacity: 30×15mL
Rotor material: aluminum body and
stainless steel
adapter

0
10
20
30
40
50

Mixing

DLAB mixers range can be divided into different series as per mixing speed, working mode, load capacity etc:

Series	Image	Model	Speed Range	Working mode	Capacity	Page
Vortex Mixer		MX-S	0~3000rpm	Orbital (touch + continuous modes)	-	p.184
		MX-S+	100~3000rpm	Orbital (touch + continuous modes)	-	p.187
		MX-Pro	100~3000rpm	Orbital (IR + continuous modes)	-	p.188
		MX-F	3000rpm (fixed)	Orbital (touch + continuous modes)	-	p.191
		MX-E	3000rpm (fixed)	Orbital (touch mode)	-	p.192
Cell disruptor		MX-C	0~3000rpm	Orbital (touch + continuous modes)	8x2mL	p.193
Microplate Mixer		MX-M	0~1500rpm	Orbital (continuous mode)	0.5Kg	p.194
Disk Rotator		MX-RD-Pro	10~70rpm	360° rolling (timer + continuous)	60x1.5mL,16x15mL, 8x50mL, (available for 3 layers)	p.196
Rotisserie Rotator		MX-RL-Pro	10~70rpm	360° rolling (timer + continuous)	48x1.5mL,24x15mL, 24x50mL	p.197
Disk Rotator		MX-RD-E	0~80rpm	360° rolling (continuous)	48x2mL,16x15mL, 8x50mL	p.199
Rotisserie Rotator		MX-RL-E	0~80rpm	360° rolling (continuous)	32x2mL, 20x15mL,16x50mL	p.200
Rocking Rotator		SK-R30S-E	0~30rpm	30±3° rocking (continuous)	10x10mL, 4x50mL	p.201
		SK-R30L-E	0~30rpm	30±3° rocking (continuous)	16x10mL 6x50mL	p.201
		SK-R30D-E	0~30rpm	40±3° rocking (continuous)	32x10mL,12x50mL	p.201
Roller Mixer		MX-T6-Pro	0~70rpm	360° rocking&rolling (timer + continuous)	4Kg	p.202
		MX-T6-S+	0~70rpm	360° rocking&rolling (continuous)	4Kg	p.202

DLAB shaker series can be divided to different types as per different motion models:

Series	Image	Model	Plate Size	Display	Speed Range	Max. Load Capacity	Page
Orbital Shaker		SK-O330-Pro	32x32cm	LCD	100-500rpm	7.5Kg	p.203
		SK-O180-Pro	25x24.5cm	LCD	100-800rpm	2.5Kg	p.203
		SK-O330-M	33.5x33.5cm	LCD	70-400rpm	3Kg	p.204
		SK-O180-S	26.8X26.8cm	LED	40-200rpm	2Kg	p.204
		SK-O180-C	26.8X26.8cm	LED	40-200rpm	2Kg	p.206
Linear Shaker		SK-L330-Pro	32x32cm	LCD	100-350rpm	7.5Kg	p.207
		SK-L180-Pro	25x24.5cm	LCD	100-350rpm	2.5Kg	p.208
		SK-L180-S	26.8X26.8cm	LED	40-200rpm	2Kg	p.208
Rocking Shaker		SK-R330-Pro	30x28.5cm	LCD	10-70rpm	10Kg	p.209
		SK-R1807-S	26.8x26.8cm	LED	10-80rpm	2Kg	p.209
3D Shaker		SK-D3309-Pro	30x28.5cm	LCD	10-70rpm	5Kg	p.211
		SK-D1810-S	26.8X26.8cm	LED	10-80rpm	2Kg	p.211

MX-S

Variable speed Vortex Mixer

Features

- Variable speed of 0 to 3,000rpm for gentle shaking to rapid mixing of samples
- Touch or continuous operation mode
- Includes a standard top head for mixing a single test tube or other small vessel up to 30mm in diameter
- Electronic speed control maintains constant speed even during changes in load
- Steel base with specially designed vacuum suction feet provides stability and dampens vibration
- Robust aluminum-cast construction

VT1.1 Standard top(Default)	Cat. No.18900034
for <Ø30mm tubes and small vessels	

Specifications	MX-S (Adjustable speed)
Voltage,Frequency	100-120V/200-240V,50/60Hz
Power	60W
Mixing motion	Orbital
Orbital diameter	4mm
Motor type	Shaded pole motor
Motor rating input	58W
Motor rating output	10W
Speed range	0-3000rpm
Speed display	Scale
Run type	Touch operation/Continuous
Dimension[W×H×D]	127×130×160mm
Weight	2.0kg
Permissible ambient temperature	5-40℃
Permissible relative humidity	80%RH
Protection class	IP20

VT1.3.1 tube adapter
Cat. No.18900020

for 48 test tubes, Ø6mm（1mL）

VT1.3.2 tube adapter
Cat. No.18900021

for 15 test tubes, Ø10mm（1.5-2mL）

VT1.3.3 tube adapter
Cat. No.18900022

for 16 test tubes, Ø12mm（5mL）

VT1.3.4 tube adapter
Cat. No.18900023

for 8 test tubes, Ø16mm（10mL）

VT1.3.5 tube adapter
Cat. No.18900024

for 8 test tubes, Ø20mm（10-15mL）

VT1.3.6 Platform pad
Cat. No.18900043

Ø99mm, multiple small tubes and vessels

VT1.3.7 vacuum chuck
Cat. No.18900158

made of rubber

VT1.3.8 tube adapter
Cat. No.18900395

for 24 holes test tubes，Ø 10mm（1.5-2mL）

VT1.3.9 PCR tube adapter
Cat. No.18204185

for 56 test PCR tubes，strips of 8，Ø5mm（0.1mL-0.5mL）

VT1.3.10 tube adapter
Cat. No.18900855

for 4 holes test tubes，Ø28mm（50mL）

VT1.3.11 Tube adapter
Cat. No.18900862

12XØ9.8mm+12XØ6.6mm+12XØ5mm（1.5/2.0/0.5/0.2mL）

VT1.2 Tube holding rod
Cat. No.18900044

used with tube adapters

VT1.3 Universal top plate
Cat. No.18900505

Ø 100mm

Includes 4 vacuum chuck

PS1.0 Microplate clamp
Cat. No.18204342

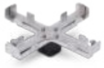
Includes rectangle PCR tube adapter

VT1.3.12 Large Platform Multi-Specimen Test Tube Adapter
Cat. No.18900875

44 holesXØ5mm+55 holesXØ6.6mm+30 holesXØ9.8mm（1.5/2.0/0.5/0.2mL）

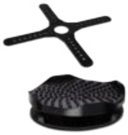
VT1.4 Ampule/Tube Attachment
Cat. No.18204566

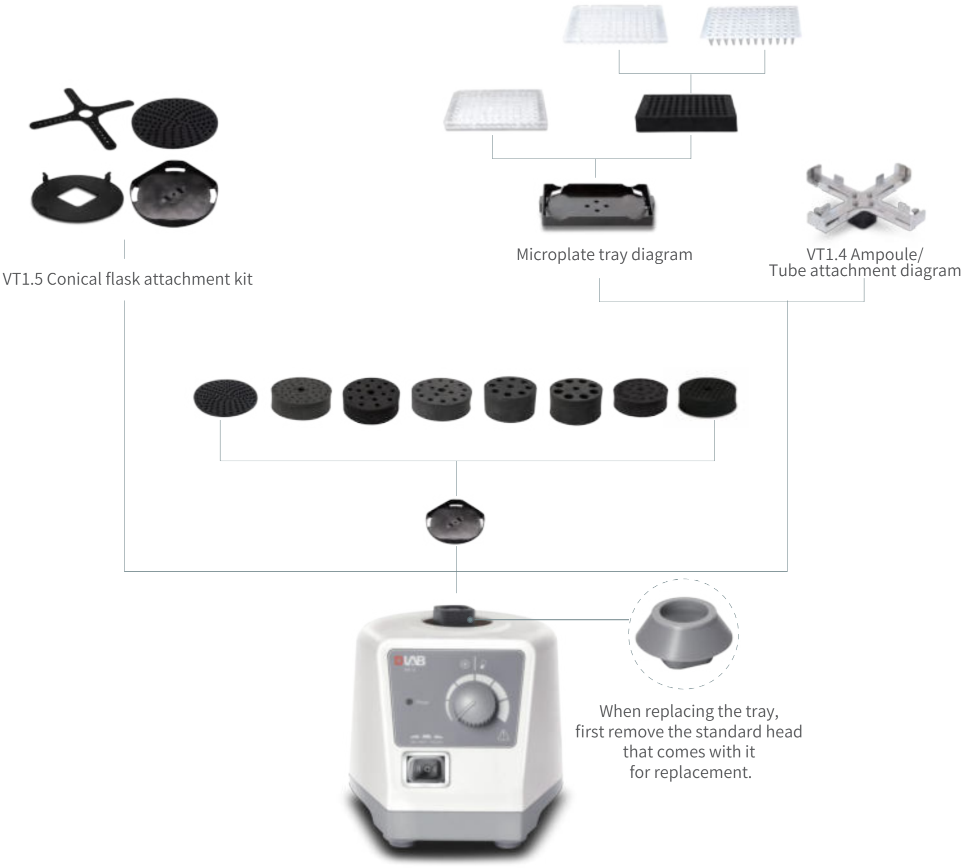
4pc ampule/tube（0.2mL-15mL）



VT1.5 Erlenmeyer flask attachment
Cat. No.18204561

100mL-250mL，Operating speed: 0~1500rpm




VT1.5 Conical flask attachment kit
Microplate tray diagram
VT1.4 Ampoule/
Tube attachment diagram

When replacing the tray,
first remove the standard head
that comes with it
for replacement.

Application of accessories

Accessories	Adjustable speed model (0-2500rpm)	
	Touch mode (High speed area)	Continuous mode (Low speed area)
VTI.1	Y	Y
VTI.2 + VT1.3.1	Y	
VTI.2 + VT1.3.2	Y	
VTI.2 + VT1.3.3	Y	
VTI.2 + VT1.3.4	Y	
VTI.2 + VT1.3.5	Y	
VTI.3 + VT1.3.6	Y	
VTI.3 + VT1.3.1		Y
VTI.3 + VT1.3.2		Y
VTI.3 + VT1.3.3		Y
VTI.3 + VT1.3.4		Y
VTI.3 + VT1.3.5		Y

MX-S+

Digital Vortex Mixer

Features

- LCD screen displays real-time speed and time for easy adjustment and monitoring.
- Adjustable speed ranges from gentle to vigorous mixing to suit various needs.
- Stable with pressure-mounted accessories to prevent slippage and splashing.
- Brushless DC motor for high stability and maintenance-free operation.
- Sturdy base ensures stability during operation for safety.
- Includes various accessories for different sizes and types of tubes and plates.
- Low noise for a quiet working environment.

DLAB
MX-S+
080
X10
Run
rpm
08 12
s
Mode

DLAB
MX-S+
080
08 12

Specifications	MX-S+
Speed	100-3000 rpm
Display	LCD
Amplitude	4 mm
Operating Modes	Touch, Continuous
Time Range	1 s - 99 min 59 s
Motor Type	Brushless DC Motor
Dimensions (L×W×H)	160x146x115mm
Weight	3.4kg
Power Supply	100-240 V, 50/60 Hz
Input Voltage	24 V
Power Consumption	25 W
Ambient Temperature & Humidity	5-40°C, 80% RH
Enclosure Protection	IP21

MX-Pro

Infrared Digital Vortex Mixer

The Infrared Digital Vortex Mixer provides an efficient and precise mixing solution for your laboratory!

DLAB
121
0:00

With advanced design concepts and manufacturing technology, the device features a sleek, streamlined, and aesthetically pleasing appearance. The digital interface provides real-time speed and time display, allowing users to easily set and monitor mixing parameters. Its stable vortex motion ensures uniform sample mixing, making it ideal for molecular biology, chemical analysis, and other scientific research fields.

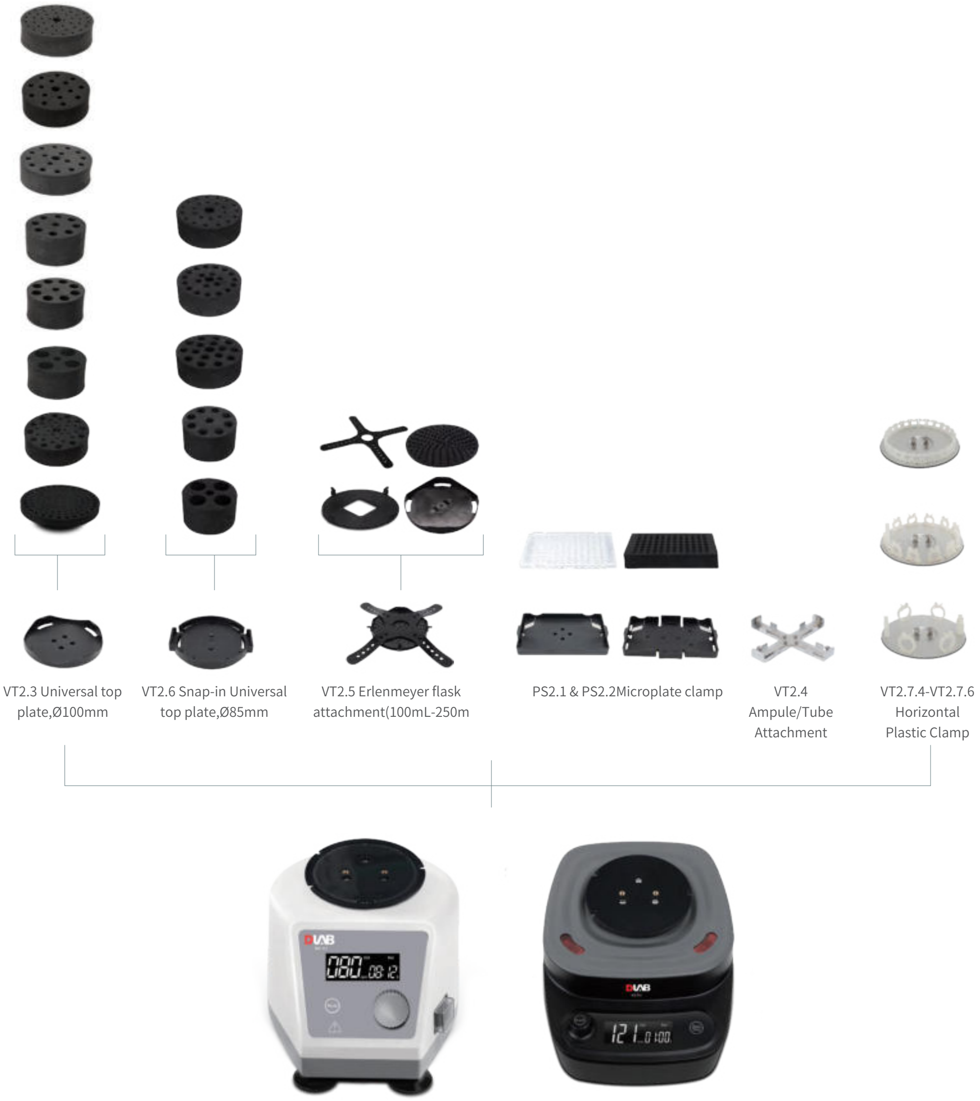
Specifications	MX-Pro
Speed	100-3000 rpm
Display	LCD
Amplitude	4.5 mm
Operating Modes	IR, Continuous
Time Range	1 s - 99 min 59 s
Motor Type	Brushless DC Motor
Dimensions (L×W×H)	160 × 145 × 145 mm
Weight	3.9 kg
Power Supply	100-240 V, 50/60 Hz
Input Voltage	24 V
Power Consumption	30 W
Ambient Temperature & Humidity	5-40°C, 80% RH
Enclosure Protection	IP21

Applications

- Molecular Biology
- Chemical Analysis
- Pharmaceutical Research
- Biotechnology
- Clinical Laboratories

Features

- LCD screen displays real-time speed and time for easy adjustment and monitoring.
- Adjustable speed ranges from gentle to vigorous mixing to suit various needs.
- Dual-sided IR sensing for automatic tube detection and mixing, accommodating different user preferences.
- Stable with pressure-mounted accessories to prevent slippage and splashing.
- Brushless DC motor for high stability and maintenance-free operation.
- Sturdy base ensures stability during operation for safety.
- Includes various accessories for different sizes and types of tubes and plates.
- Low noise for a quiet working environment.


VT2.3 Universal top plate,Ø100mm
VT2.6 Snap-in Universal top plate,Ø85mm
VT2.5 Erlenmeyer flask attachment(100mL-250m
PS2.1 & PS2.2Microplate clamp
VT2.4 Ampule/Tube Attachment
VT2.7.4-VT2.7.6 Horizontal Plastic Clamp

Accessories of Vortex Mixer MX-S+ & MX-Pro

Accessories of MX-S+&MX-Pro

VT2.3 **Cat. No.18901365**

Universal top plate，compatible with VT1.3.1-VT1.3.12 Tube Adapter

VT2.4 **Cat. No.18901366**

Ampule/Tube Attachment，4pc ampule/tube（0.2mL-15mL）

VT2.5 **Cat. No.18901367**

Erlenmeyer flask attachment (100mL-250mL)，Operating speed: 0~1500rpm

PS2.1 **Cat. No.18901360**

Microplate clamp，Suitable for workboards (full skirt PCR plates, cell culture plates, enzyme-linked immunosorbent assay plates, deep well plates, etc. Half skirt/no skirt PCR plates need to be used with rectangular foam, which is already included)

Accessories of MX-S+&MX-Pro （New）

VT2.1 **Cat. No.18901379**

Top cup，Suitable for MX-Pro

VT2.1 **Cat. No.18901380**

Top cup，Suitable for MX-S+

VT2.2 **Cat. No.18901373**

Flat Rubber Sleeve (Standard)

VT2.6 **Cat. No.18901368**

Snap-in Universal top plate，compatible withVT2.6.1-VT2.6.5 Tube Adapter

VT2.6.1 **Cat. No.18901378**

Tube Adapter，25 holes ×1mL Test Tube

VT2.6.2 **Cat. No.18901377**

Tube Adapter，21 holes ×2mL Test Tube

VT2.6.3 **Cat. No.18901376**

Tube Adapter，16 holes ×5mL Test Tube

VT2.6.4 **Cat. No.18901375**

Tube Adapter，8 holes ×15mL Test Tube

VT2.6.5 **Cat. No.18901374**

Tube Adapter，4 holes×50mL Test Tube

VT 2.7.4 **Cat. No.18901870**

Horizontal Plastic Clamp，24 holes×1.5mL Test Tube (Circular plate)

VT 2.7.5 **Cat. No.18901871**

Horizontal Plastic Clamp，12 holes×15mL Test Tube (Circular plate)

VT 2.7.6 **Cat. No.18901872**

Horizontal Plastic Clamp，6 holes×50mL Test Tube (Circular plate)

PS2.2 **Cat. No.18901361**

Snap-in Microplate clamp,Suitable for workboards (full skirt PCR plates, cell culture plates, enzyme-linked immunosorbent assay plates, deep well plates, etc. Half skirt/no skirt PCR plates need to be used with rectangular foam, which is already included)

*Material color may vary slightly during the initial launch phase. Please refer to the actual product.

MX-F

Fixed speed Vortex Mixer

Applications

Vortex mixers are ideal for mixing liquid components in tubes, resuspension of cells, using an eccentric mechanism. They are widely used in clinical labs performing virus diagnostic tests and in biological & chemical analysis applications.
It is perfect for mixing high-viscosity materials, such as waxes and slurries; to mix battery slurries, paints, pharmaceuticals and more.

VT1.1 Standard top(Default)	**Cat. No.18900034**
for <Ø30mm tubes and small vessels	

Specifications	**MX-F** **(Fixed speed)**
Voltage,Frequency	100-120V/200-240V,50/60Hz
Power	60W
Mixing motion	Orbital
Orbital diameter	4mm
Motor type	Shaded pole motor
Motor rating input	58W
Motor rating output	10W
Speed range	3000rpm
Speed display	-
Run type	Touch operation/Continuous
Dimension[W×H×D]	127×130×160mm
Weight	2.0kg
Permissible ambient temperature	5-40°C
Permissible relative humidity	80%RH
Protection class	IP20

MX-E

Economic Vortex Mixer

Features

- Compact , portable and fits nicelyon bench-top (erase desktops and table tops)
- Touch operation,Fixed speed of 3,000rpm for rapid mixing of samples
- Powerful and efficient 12V DC brushless motor is smooth operation and has long life
- Foot pad design secures the mixer in place and does not wobble during operation

Applications

Used to rapidly mix small samples of liquids for lab researches or otherworks like to mix Nail Polish, Gel Polish, Eyelash Adhesives acrylic paint, tattoo ink and so on.

Specifications	MX-E
Voltage	100-240V
Frequency	50/60Hz
Power	12W
Mixing motion	Orbital
Revolving diameter	4.8mm
Motor rating output	10W
Rotational speed	3000rpm
Operating mode	Touch Operation
External dimension	133X133X80mm
Dimension of packing box	250X185X130mm
Weight	0.6kg
Permissible ambient temperature	5-40°C
Permissible relative humidity	≤80%RH
Protection class	IP21

MX-C

Cell Disruptor

Specifications	MX-C
Functions	Disrupts cells, yeast, bacteria, algae, fungi, etc.to prepare cell lysates for further processing
Mixing motion	High-speed circumferential vortex and oscillation function
Orbital diameter	4mm
Speed range	0-3000rpm（Adjustable）
Speed display	Scale
Capicity	8×2mL
Power Requirements	200-240V/ 100-120V, 50/60 Hz, 60W
Dimension	127X130X160mm
Weight	2.0kg

Features

- Durable, reliable and affordable
- Easy to operate, rapid hands-free disruption of up to 8 microtubes
- Processes at a constant, controlled shear rate
- Maintains genome integrity of the biological samples
- Facilitates subsequent purification of genomic material
- Best suited for research laboratories demanding accurate, reproducible, repeatable results

Applications

Suitable for all sample types;Lysis of yeast and fungi; for Isolation of genomic material from faecal samples; fungi and bacteria samples; soil samples;for Isolation of PCR-Ready Genomic DNA from Soil Samples; DNA & RNA Purification; Lysis of bacteria; Lysis of soft tissues; Isolation of genomic DNA; Purification of DNA; Cell Lysis; Used to lyse cell wall of yeast; Break hard/brittle samples.

MX-M

Microplate Mixer

Features

- Wide range of speed from 0 to 1,500 rpm (Double microplate:0-1,000 rpm)
- Excellent performance with electronic speed control
- High speed and effective mixing for microplates
- With adapters for most popular vessels and microtiter plates
- Used for various mixing applications with optional adapters
- Maintenance-free brushless DC motor

Applications

DLAB Microplate Mixer is used for holding single or double microplates. The footprint of MX-M Microplate Mixer occupies less bench space and makes the storage easier. It is widely used in life sciences including microbiology, cell and molecular biology, immunology and biotechnology

Brushless DC motor

Wide range of accessories

VT1.3.1 tube adapter

Cat. No.18900020

for 48 holes test tubes, Ø6mm

VT1.3.2 tube adapter

Cat. No.18900021

for 15 holes test tubes, Ø10mm

VT1.3.3 tube adapter

Cat. No.18900022

for 12 holes test tubes, Ø12mm

VT1.3.4 tube adapter

Cat. No.18900023

for 8 holes test tubes, Ø16mm

VT1.3.5 tube adapter

Cat. No.18900024

for 8 holes test tubes, Ø20mm

VT1.3.6 Platform pad

Cat. No.18900043

Ø99mm, multiple small tubes and vessels

VT1.3.8 tube adapter

Cat. No.18900395

for 24 holes test tubes, Ø10mm

VT1.3.9 PCR tube adapter

Cat. No.18204185

for 56 test PCR tubes，strips of 8，
Ø5mm（0.1mL-0.5mL）

VT1.3.10 tube adapter

Cat. No.18900855

for 4 holes，Ø28mm（50mL）

VT1.3.11 Tube adapter

Cat. No.18900862

12XØ9.8mm+12XØ6.6mm+12XØ5mm
（1.5/2.0/0.5/0.2mL）

VT1.3.12 Large Platform Multi-Specimen Test Tube Adapter

Cat. No.18900875

44 holesXØ5mm+55 holesXØ6.6mm+30 holesXØ9.8mm（1.5/2.0/0.5/0.2mL）

PS1.1 Universal top plate

Cat. No.18900067

Used with tube adapters

PS1.2 Single Well Plate Tray Kit

Cat. No.18204340

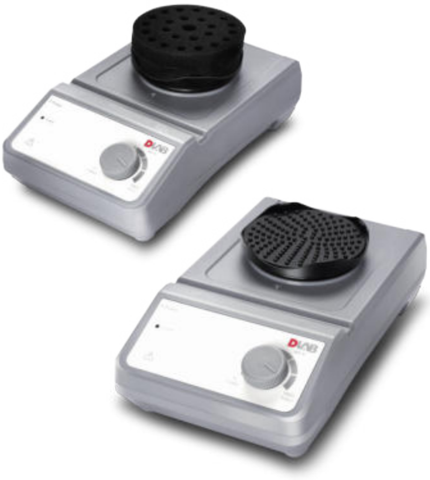
Work Plate（Suitable for fully-skirted PCR plates, cell culture plates, enzyme immunoassay plates, and deep-well plates. Use with a well plate adapter for half-skirted or non-skirted PCR plates.）

PS1.3 Double microplate clamps

Cat. No.18204341

Double microplate clamps

Specifications	MX-M
Shaking movement	Orbital
Orbital diameter	4.5mm
Max. shaking weight (with accessory)	0.5kg
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Speed range	Single microplate: 0-1500rpm Double microplate: 0-1000rpm
Speed display	Scale
Voltage,Frequency	100-240V,50/60Hz
Power	20W
Dimension	260×150×80mm
Weight	3kg
Permissible ambient temperature and humidity	5-40°C,80%RH
Protection class	IP20



MX-RD-Pro

LCD Digital Tube Rotator

Features

- LCD display of speed and time
- Circular rotating action, gives gentle but effective mixing
- Adjustable speed range from 10 to 70 rpm
- Adjustable angle from 0 to 90°
- Brushless motor ideal for extended use, and longer life
- Wide variety of accessories are available

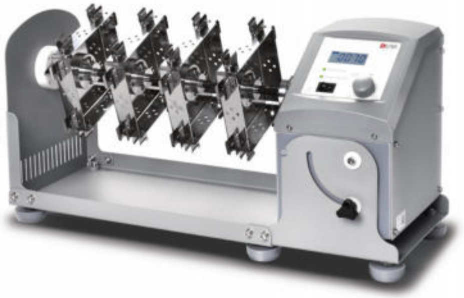
Applications

Laboratory Tube Rotators are ideal for Biochemistry, Molecular Biology and Clinical applications. Provides a gentle but effective mixing of biological samples in 1.5mL to 50mL micro tubes, used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics etc.

Specifications	MX-RD-Pro
Motor type	Brushless DC motor
Tilt angle	0-90°
Speed range	10-70rpm
Speed display	LCD
Timer display	LCD
Timer	1-1199min
Operation mode	Continuous / timer
Voltage,Frequency	100-240V, 50/60Hz
Power	40W
Dimension [D×W×H]	280×210×300mm
Permissible ambient temperature and humidity	5-40°C,80%RH
Protection class	IP21

MX-RL-Pro

LCD Digital Tube Rotator, Horizontal



Features

- LCD displays speed and time
- Adjustable speed range of 10 to 70 rpm
- Provides gentle but effective rolling and mixing
- Can be used in cold rooms or incubators
- Wide variety of Disk accessories and Rotisserie accessories available

Applications

Laboratory Tube Rotators are ideal for Biochemistry, Molecular Biology and Clinical applications. Provides a gentle but effective mixing of biological samples in 1.5mL to 50mL micro tubes, used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics etc.

Specifications	MX-RL-Pro
Motor type	Brushless DC motor
Speed range	10-70rpm
Speed display	LCD
Timer display	LCD
Timer	1-1199min
Operation mode	Continuous / timer
Voltage,Frequency	100-240V, 50/60Hz
Power	40W
Dimension [D×W×H]	220×510×260mm
Permissible ambient temperature and humidity	5-40°C,80%RH
Protection class	IP21

Disk Accessories Type-1 Cat. No.18900160

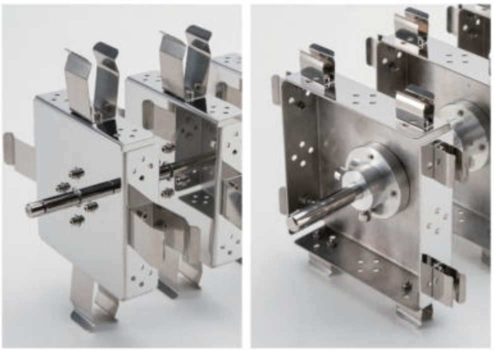
Used for MX-RD-Pro
for 1.5mLx60 centrifuge tubes
holder

Disk Accessories Type-2 Cat. No.18900161

Used for MX-RD-Pro
for 15mLx16 centrifuge tubes holder

Disk Accessories Type-3 Cat. No.18900162

Used for MX-RD-Pro
for 50mLx8 centrifuge tubes holder



Disk support rods Cat. No.18900140

4pcs in a group
use with disk accessories

Rotisserie Accessory Type-1 Cat. No.18900142

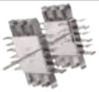
Used for MX-RL-Pro, for 1.5mLx48
centrifuge tubes held horizontally

Rotisserie Accessory Type-2 Cat. No.18900143

Used for MX-RL-Pro, for 15mLx24
centrifuge tubes held horizontally

Rotisserie Accessory Type-3 Cat. No.18900144

Used for MX-RL-Pro,for 50mLx24
centrifuge tubes held horizontally



Rotisserie Accessory Type-4 Cat. No.18900145

Used for MX-RL-Pro,for 1.5mLx32
centrifuge tubes held vertically

Rotisserie Accessory Type-5 Cat. No.18900146

Used for MX-RL-Pro,for 15mLx16
centrifuge tubes held vertically

Rotisserie Accessory Type-6 Cat. No.18900147

Used for MX-RL-Pro,for 50mLx16
centrifuge tubes held vertically

MX-RD-E

Effective affordable mixing

Features

- Speed controlled by Scale
- Adjustable speed range from 0 to 80 rpm

Applications

Laboratory Tube Rotators are ideal for Biochemistry, Molecular Biology and Clinical applications. Provides a gentle but effective mixing of biological samples in 1.5mL to 50mL micro tubes, used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics etc.

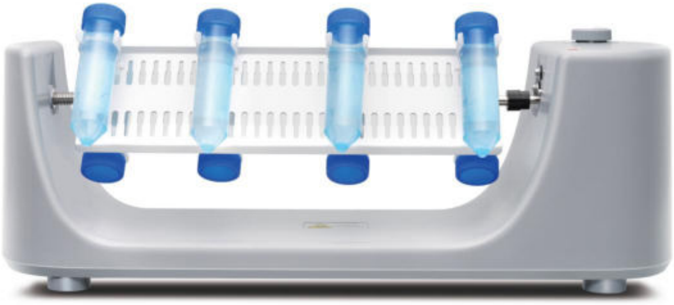
Plastic Clips

Used with MX-RL-E/MX-RD-E Disk/Rotisserie accessory, for 50mL, 15mL and 1.5mL

Specifications	MX-RD-E
Motor type	DC motor
Speed range	0-80rpm
Speed display	Scale
Operation mode	Continuous
Voltage,Frequency	100-240V, 50/60Hz
Power	20W
Dimension [D×W×H]	300×220×310mm
Permissible ambient temperature and humidity	5-40°C,80%RH
Protection class	IP21

MX-RL-E

Economical Rotator



Features

- Provides gentle but effective rolling
- Adjustable speed range from 0 to 80 rpm

Applications

Rotisserie Horizontal Tube Rotator provides slow to vigorous mixing of your biological samples and solutions with advanced features you expect. Used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostic tests etc. Not recommended for extended use in incubators or cold rooms.

Plastic Clips

Used with MX-RL-E/MX-RD-E Disk/Rotisserie accessory, for 50mL, 15mL and 1.5mL

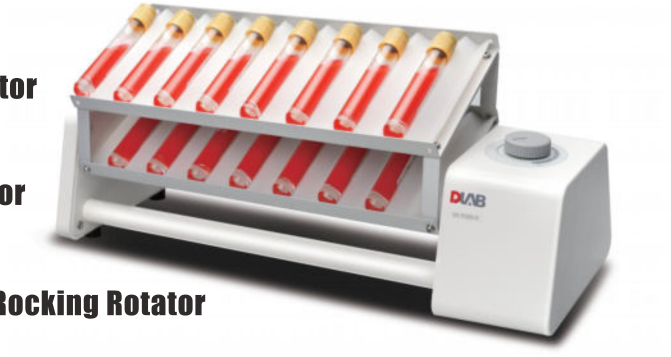
Specifications	MX-RL-E
Motor type	DC motor
Speed range	0-80rpm
Speed display	Scale
Operation mode	Continuous
Voltage,Frequency	100-240V, 50/60Hz
Power	20W
Dimension [D×W×H]	150X530X190mm
Permissible ambient temperature and humidity	5-40°C,80%RH
Protection class	IP21

Laboratory Deck Rocking Rotator Mixer

SK-R30S-E
Short Deck Rocking Rotator

SK-R30L-E
Long Deck Rocking Rotator

SK-R30D-E
Long Deck Double Layer Rocking Rotator



Applications

Laboratory Deck Rocking Rotator Mixer is suitable for molecular biology, virology, microbiology, pathology, immunology and other laboratories in scientific research units, medical schools, emergency control centres, and medical and health units.

Features

- Brushless DC motor
- Continuous mode of operation
- Available with various silicon mattress accessories

Specifications	SK-R30S-E	SK-R30L-E	SK-R30D-E
Tilt angle	30±3°	30±3°	40±3°
Load capacity	1kg	1kg	1kg
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Speed range	0~30rpm	0~30rpm	0~30rpm
Operation mode	Continuous	Continuous	Continuous
Dimension (W×D ×H)	295×160×120mm	405×160×120mm	405×160×160mm
Voltage,Frequency	100~240V, 50/60Hz	100~240V, 50/60Hz	100~240V, 50/60Hz
Power	15W	15W	15W
Weight	1.8kg	2kg	2.2kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH	5-40°C,80%RH

Accessories Information

Cat.No.18202835

Silicone mattress for 16× 5~10mL blood collection tubes on long decks (SK-R30L-E&SK-R30D-E)

Cat.No.18202846

Silicone mattress for 6× 50mL test tubes on long decks (SK-R30L-E& SK-R30D-E)

Cat.No.18202852

Silicone mattress for 10× 5~10mL blood collection tubes on short decks (SK-R30S-E)

Cat.No.18202853

Silicone mattress for 4× 50mL test tubes on short decks (SK-R30S-E)

MX-T6-Pro

LCD Digital Tube Roller

Features

- LCD displays the speed and time
- Rocking & rolling at variable-speed
- Adjustable speed range from 10 to 70 rpm
- Six roller design for gentle and efficient rolling, and easy to clean
- DC brushless motor quiet and maintenance free
- Cold room and incubator compatible

LCD display

Timer

MX-T6-S/S+

Standard tube roller

Features

- Adjustable speed range from 0 to 70 rpm
- Six roller design for gentle and efficient rolling, and is easy to clean

Applications

DLAB laboratory tube rollers provide a gentle and highly efficient rolling motions, deal for mixing blood samples, viscous substances and liquid-solid suspensions. Used in a variety of applications, such as the prevention of blood coagulation, immune precipitation, etc.

Specifications	MX-T6-Pro	MX-T6-S	MX-T6-S+
Amplitude	24mm	24mm	
Motor type	Brushless DC motor	Brush DC motor	Brushless DC motor
Rocking motion	Rocking and rolling	Rocking and rolling	
Max. load capacity	4kg	4kg	
Number of rollers	6	6	
Roller size[length]	280mm	280mm	
Speed range	10 -70rpm	0-70rpm	
Speed display	LCD	Scale	
Timer	Yes	-	
Timer display	LCD	-	
Time setting range	1-1199min	-	
Operation mode	Continuous/timer	Continuous	
Voltage,Frequency	100-240V,50/60Hz	100-240V,50/60Hz	
Power	30W	25W	
Dimension [D×W×H]	485×250×100mm	485×250×100mm	
Weight	5.1kg	4.5kg	
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH	
Protection class	IP21	IP21	

SK-O330-Pro
SK-O180-Pro

Multifunctional Orbital Decolorizing Shaker

SK-O330-Pro

Features

- Independent LCD display for speed and time
- Compact footprint
- Provides smooth and uniform shaking
- Two options: 7.5 kg (O330) with platform and 2.5kg (O180) with platform speed range 100-500 rpm and 100-800 rpm
- Continuous or timer operation mode
- Maintenance- free brushless DC motor
- Over speed detection and protection
- Wide range of optional platform for flasks, and other popular vessels
- Remote function provides PC control and data transmission
- Free software for PC control & data logging

SK-O180-Pro

Applications

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications. It can be used in environmental chambers and CO2 incubators.

Qrbital Motion

Specifications	SK-O330-Pro	SK-O180-Pro
Orbital diameter	10mm	4mm
Max. load capacity (with platform)	7.5kg	2.5kg
Motor type	Brushless DC motor	Brushless DC motor
Motor input power	28W	28W
Motor output power	15W	15W
Speed range	100-500rpm	100-800rpm
Speed display	LCD	LCD
Timer display	LCD	LCD
Time settings range	1min-99h59min	1min-99h59min
Voltage,Frequency	100-240V,50/60Hz	100-240V,50/60Hz
Power	30W	30W
Weight	12kg	8.1kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH
Dimension[W×D×H]	370×420×100mm	300×340×100mm
Protection class	IP21	IP20
Data connector	RS232	RS232

Features

- Double-screen display for time and speed
- respectively
- Compact footprint
- Provides smooth and uniform shaking
  Two options：
  9.8kg（O330-M）and speed range 70-400rpm,
  3.1kg（O180-S）and speed range 40-200rpm
- Continuous or timer operation mode
- Maintenance- free brushless DC motor
- Over speed detection and protection

Applications

Orbital Shaker is ideal for applications like bacterial suspension, solubility studies, growth of bacteria and yeast, extraction procedures, washing procedures, diagnostics tests, hybridization, general mixing, staining & destaining, mixing, and extracting.

It is suitable for almost any vessel from micro-centrifuge tubes through petri dishes and microplates to conical flasks.

Qrbital Motion

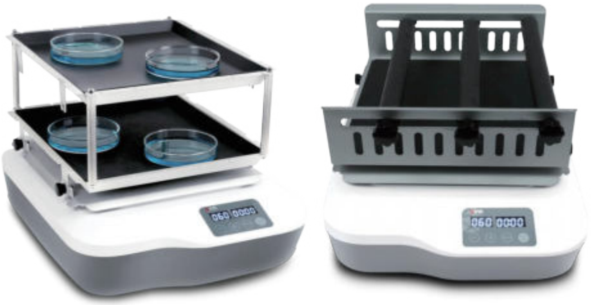
SK-0330-M

Orbital Decolorizing Shaker

SK-0180-S

Intelligent Decolorizing Shaker

Basic model (fixed plate)



Multifunctional models
(multiple plate are optional)

Specifications	SK-O180-S	SK-O330-M
Orbital diameter	20mm	10mm
Max. load capacity (with platform)	2kg	3kg
Motor type	Brushless DC motor	Brushless DC motor
Motor input power	20W	20W
Motor output power	16W	15W
Speed range	40-200rpm	70-400rpm
Speed display	LED	LCD
Timer display	LED	LCD
Time settings range	1min-99h59min	1min-99h59min
Voltage,Frequency	100-240V,50/60Hz	100-240V,50/60Hz
Power	20W	25W
Weight	3.1kg	9.8kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH
Dimension[W×D×H]	294×348×123mm	420×370×100mm
Protection class	IP21	IP21
Work plate Dimension [W x D]	268x268mm	335×335mm

SK-0180-C

Remote Controlled Intelligent Decolorizing Shaker

Features

- LED display: Real-time display of speed and time.
- Dual connection modes: Wireless / wired support, flexible for different scenarios.
- Over 10 m remote adjustment: Barrier-free control, reduces door openings, ensures a stable experimental environment.
- Magnetic design: Remote control can be attached to metal surfaces, easy to access and prevents loss.
- Type-C fast charging: Long-lasting battery, convenient charging, durable and reliable.
- Safety speed protection function.
- Reduced contamination: Suitable for aseptic, low-temperature, or closed-space operations.
- Safe and convenient: Reduces human risk in hazardous or repetitive experiments.

SPEED
TIME
060 0000

Applications

Cell culture: Sterile environment for cell/organoid cultivation
Microbial research: Bacterial/yeast fermentation process control
Molecular experiments: Nucleic acid hybridization, protein purification
Drug development: High-throughput screening, formulation testing
Special environments: Low temperature, anaerobic, hazardous sample handling

Specifications	SK-O180-C
Orbital diameter	20mm
Max. load capacity (with platform)	2kg
Motor type	DC Brushless Motor
Motor input power	20W
Motor output power	16W
Speed range	40-200rpm
Interfaces	Supports wireless Type-C wired connection
Remote Control Display	4.3-inch LCD screen
Speed display	LED
Timer display	LED
Time settings range	1min-99h59min
Voltage,Frequency	100-240V,50/60Hz
Power	20W
Weight	3.1kg
Permissible ambient temperature and humidity	5-40°C,80%RH
Dimension[W×D×H]	294×348×123mm
Protection class	IP21
Work plate Dimension [W x D]	268x268mm

Qrbital Motion

SK-L330-Pro

Large Multifunctional Linear Decolorizing Shaker

Features

- Efficient Mixing: Employing a linear reciprocating shaking action ensures thorough and even mixing of samples within containers, enhancing experiment reliability and precision.
- Versatile Capacity: Offering two choices with different load capacities, suitable for experiments of various scales and sample handling needs, catering to diverse experimental requirements.
- User-Friendly Operation: The device is equipped with an independent LCD display, simultaneously presenting speed and time, facilitating an intuitive operation, allowing you to effortlessly oversee the experimental process.
- Broad Speed Range: It encompasses a wide speed range, enabling speed adjustment based on specific experimental demands, ensuring optimal outcomes.
- Reliability: Utilizing a maintenance-free brushless DC motor reduces equipment maintenance needs and extends its operational lifespan.
- Safety Measures: Featuring over-speed detection and protection functions, guaranteeing the equipment operates safely within prescribed parameters, mitigating potential issues.
- Diverse Selection: Providing multiple platform options, accommodating various container types and sizes, augmenting flexibility and diversity.

Applications

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications.
It can be used in environmental chambers and CO2 incubators.

Linear Motion

Specifications	SK-L330-Pro
Amplitude	10mm
Max. load capacity (with platform)	7.5kg
Motor type	Brushless DC motor
Motor input power	28W
Motor output power	15W
Speed range	100-350rpm
Speed display	LCD
Timer display	LCD
Time settings range	1min-99h59min
Voltage,Frequency	100-240V, 50/60Hz
Power	30W
Weight	13.5kg
Permissible ambient temperature and humidity	5-40°C,80%RH
Dimension[W×D×H]	370×420×100mm
Protection class	IP21
Data connector	RS232

SK-L180-Pro

Multifunctional Linear Decolorizing Shaker

SK-L180-S

Intelligent Linear Decolorizing Shaker

SK-L180-Pro

SK-L180-S

Features

- Ensure uniform mixing to enhance experiment reliability and accur
- Provide different load capacities suitable for experiments of varying scales and sample processing, meeting diverse experimental needs.
- Independent display screen, simultaneously showing speed and time, user-friendly operation for easy control of the experiment process.
- Offer a wide range of speed settings that can be adjusted according to specific experimental requirements to ensure optimal results.
- Maintenance-free brushless DC motor for extended lifespan.
- Equipped with safety speed protection features.
- Provide various platform options to accommodate a variety of container types and sizes, increasing flexibility and versatility（SK-L180-Pro）.

Applications

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications. It can be used in environmental chambers and CO2 incubators.

Linear Motion

Specifications	SK-L180-Pro	SK-L180-S
Amplitude	4mm	20mm
Max. load capacity(with platform)	2.5kg	2kg
Motor type	Brushless DC motor	Brushless DC motor
Speed range	100-350rpm	40-200rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min-99h59min	1min-99h59min
Voltage，Frequency	100-240V, 50/60Hz	100~240V,50/60Hz
Power	30W	20W
Motor input power	28W	16W
Motor output power	15W	10W
Weight	8.1kg	3.4kg
Permissible ambient temperature and humidity	5-40°C，80%RH	5-40°C，80%RH
Dimension[W×D×H]	300X340X100mm	294X348X130mm
Protection class	IP21	IP20
Data connector	RS232	-

SK-R330-Pro

Large Multifunctional Transference Rocking Shaker

SK-R1807-S

Intelligent Transference Decolorizing Shaker

SK-R330-Pro

Features

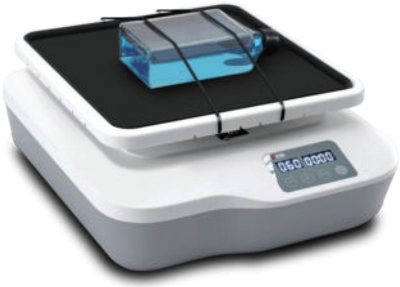
- Rocking motion angle 9°(R330-Pro) and 7°(R1807-S)
- Two options：
  10kg (R330-Pro)and speed range 10-70rpm,
  2kg (R1807-S) and speed range 10-80rpm
- Double LCDs/LEDs for independent display of time and speed
- Continuous or timer operation mode
- Electronic time switching clock: 1min-99h59min
- Wide range of platforms for use with a variety of vessels(R330-Pro)
- Fixed work plate(R1807-S)
- Simple appearance, save operating space

Applications

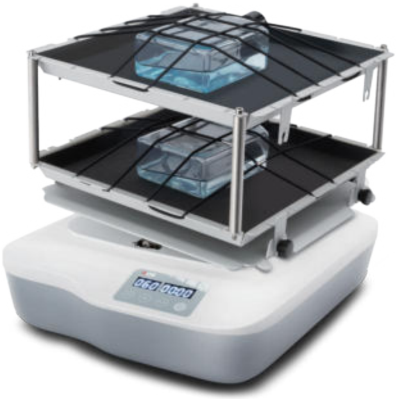
Designed for time-dependent and low rpmsensitive shaking applications such as ELISAwashes, enzyme immunoassays, proteinsynthesis, hybridization staining/destaininggels, immune precipitation and Western blots, cell culture, pharmaceutical profiling, etc.

SK-R1807-S

Rocking Motion



SK-R1807-S (fixed plate)



SK-R1807-S (multiple plate are optional)

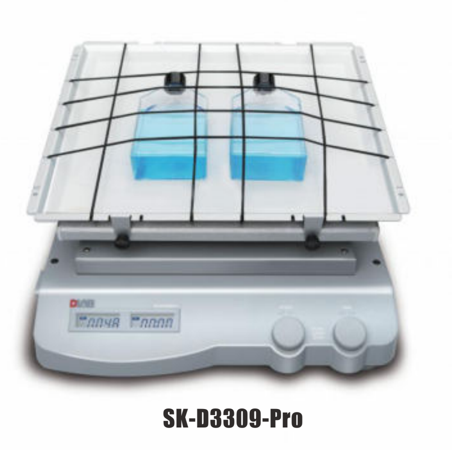
Specifications	SK-R330-Pro	SK-R1807-S
Tilt angle	9°	7°
Max. load capacity(with platform)	10kg	2kg
Motor type	DC motor	DC motor
Motor input power	40W	20W
Motor output power	24W	16W
Speed range	10-70rpm	10-80rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min-99h59min	1min-99h59min
Voltage,Frequency	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W
Weight	9kg	3.1kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH
Dimension[W×D×H]	360×410×200mm	294×348×123mm
Protection class	IP21	IP21

SK-D3309-Pro

Large Multifunctional 3D Shaker

SK-D1810-S

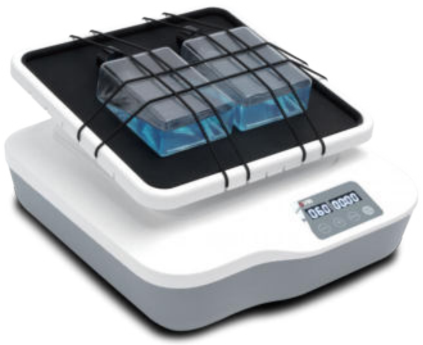
Intelligent 3D Shaker



SK-D3309-Pro

Features

- Provide a gentle three-dimensional motion shaker at a fixed tilt angle
- Anti slip silicone disc surface, better anti slip effect, and better sample processing effect
- Adjustable rotational mixing speed
- Independent LCD/LED display of time and speed
- Incubator compatible
- Various platform accessories（D3309-Pro)



SK-D1810-S

Applications

3D shaker used for uniform shaking mixing in flasks, culture flasks, petri dishes and tubes. Ideal for culturing a variety ofcell cultures, DNA extractions, distributing of cells and gel staining & destaining of cells.

Wide range of accessories

3D Motion

Specifications	SK-D3309-Pro	SK-D1810-S
Tilt angle	9°	10°
Max. load capacity(with platform)	5kg	2kg
Motor type	DC motor	DC motor
Motor input power	40W	16W
Motor output power	24W	10W
Speed range	10-70rpm	10~80rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min-99h59min	1min-99h59min
Voltage,Frequency	100-240V, 50/60Hz	100~240V,50/60Hz
Power	50W	20W
Weight	9kg	3.7kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH
Dimension[W×D×H]	360×430×106mm	294X348X170mm
Protection class	IP21	IP21

Cat. No.	Description	SK-O330-Pro	SK-L330-Pro	SK-R330-Pro	SK-D3309-Pro	SK-O330-M	SK-O180-Pro	SK-L180-Pro	SK-O180-S (Multifunc)	SK-R1807-S (Multifunc)
18900155	SK330.5， Dish platform with non-slip mat and fixed string (8pcs) Dimension[WxD]: 30x28.5cm	■	■	■	■					
18202835	Silicone mattress for 16× 5~15mL tubes, use with SK330.5	■	■	■	■					
18202846	Silicone mattress for 6× 50mL tubes, use with SK330.5	■	■	■	■					
18900185	SK180.4, Dish attachment with non-slip mat Dimension[WxD]: 24x21.5cm						■	■	■	■
18900869	SK330.4 Dish platform with non-slip mat and fixed string(8 pcs)，34X34cm					■				
18900859	SK330.6 Transparent shield，serologic test for syphilis，41X39.5X10cm	■	■			■				
18900860	SK180.5 Transparent Cover for Syphilis Serum Test，32X32X8.3cm						■	■		
18202852	Silicone mattress for 10× 5~10mL tubes						■	■	■	■
18202853	Silicone mattress for 4× 50mL tubes						■	■	■	■
18900027	SK330.1, Universal attachment with 4 bars Size: 32x32cm Capacity for flask: 25mLx21pcs, 50mLx15pcs, 100mLx12pcs, 250mLx6pcs, 500x4pcs	■	■	■	■					
18900040	SK330.3 Lengthways roller attachment, Mainly used for separation funnel oscillation extraction applications 500mL*3pcs 250mL*4pcs 100/125mL*4pcs 50mL*5pcs	■	■	■	■					
18900025	SK180.1, Universal attachment with 3 bars Size: 25x24.5cm Capacity for flask: 25mLx10pcs, 50mLx8pcs, 100mLx6pcs, 250mLx4pcs, 500x2pcs						■	■	■	■
18900038	SK180.3 Lengthways roller attachment, Mainly used for separation funnel oscillation extraction applications 500mL*2pcs 250mL*3pcs 100/125mL*3pcs 50mL*4pcs						■	■	■	■
18901220	SK180.6 Sticky pad for shaker，23.8×23.8cm，Operating speed: 0~220rpm						■	■	■	■
18902011	SK330.8 Sticky pad for shaker，28.4×29.6 cm，Operating speed: 0~220rpm	■	■	■	■	■				

Cat. No.	Description	SK-O330-Pro	SK-L330-Pro	SK-R330-Pro	SK-D3309-Pro	SK-O330-M	SK-O180-Pro	SK-L180-Pro	SK-O180-S (Multifunc)	SK-R1807-S (Multifunc)
18900036	Bar for SK330.1 universal attachment	■	■	■	■					
18900037	Bar for SK180.1 universal attachment						■	■	■	■
18900280	Connect sticks for double dishes shaker	■	■	■	■	■	■	■	■	■
18900028	SK330.2, Fixing clip attachment Size: 32 x 32cm	■	■	■	■					
18900026	SK180.2, Fixing clip attachment Size: 25 x 24cm						■	■	■	■
18900029	Fixing clip for flask volume 25mL, used with SK330.2[28pcs] SK180.2[9pcs]	■	■	■	■		■	■	■	■
18900030	Fixing clip for flask volume 50mL, used with SK330.2[16pcs] SK180.2[9pcs]	■	■	■	■		■	■	■	■
18900031	Fixing clip for flask volume 100mL, used with SK330.2[16pcs] SK180.2 [9pcs]	■	■	■	■		■	■	■	■
18900032	Fixing clip for flask volume 200/250mL, used with SK330.2[9pcs] SK180.2[4pcs]	■	■	■	■		■	■	■	■
18900033	Fixing clip for flask volume 500mL, used with SK330.2[9pcs] SK180.2[2pcs]	■	■	■	■		■	■	■	■

Electrophoresis

DEP-300/DEP-600/DEP-300HC

Electrophoresis power supplies

We offer user-friendly and powerful electrophoresis power supplies for gel electrophoresis, blotting, and other demanding applications. The DEP series features an LCD touchscreen interface for easy programming and supports simultaneous use of four output sockets with three operating modes: constant voltage, constant current, and constant power.

NEW

Features

- LCD Touchscreen: Simple programming and progress tracking.
- High Precision: Adjustable voltage, current, and power with automatic mode switching.
- Real-time Data Recording: USB support for data analysis.
- Easy Programming: Multi-step programs with tabular entry.
- Stable Performance: Multi-CPU control ensures reliability.
- Power Failure Recovery: ON/OFF setting based on experimental needs.
- Low Current Maintenance: ON/OFF setting as needed.
- Safety Protection and Alarm: Short-circuit protection, no-load protection, and a buzzer that can be set according to experimental needs.
- Space-saving Design: Anti-slip grooves enable stacking multiple power supplies, saving lab space.
- Multiple Outputs: Four sockets for simultaneous use of four electrophoresis units.

Pop-up feet

Anti-slip groove design

Real-time data recording

Low-noise, High-efficiency cooling fan

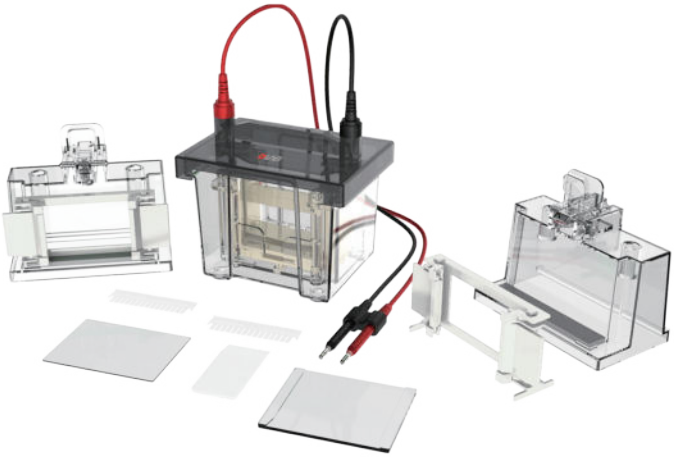
Applications

The DEP-600 power supply covers the broadest range of applications in the market, meeting the power needs of small vertical electrophoresis, high-throughput electrophoresis, and blotting. It supports applications such as SDS-PAGE, Native-PAGE, common protein, and DNA/RNA electrophoresis.

Specifications	DEP-300	DEP-600	DEP-300HC
Display	LCD touchscreen	LCD touchscreen	LCD touchscreen
Output Types	Constant Voltage, Constant Current, Constant Power (continuously adjustable)		
Voltage Range	0~300V	0~600V	0~300V
Current Range	0~600mA	0~600mA	0~3000mA
Power Range	0~150W	0~360W	0~400W
Resolution	Voltage (1V), Current (1mA), Power (1W)		
Time Setting Range	1min ~ 99h59min	1min ~ 99h59min	1min ~ 99h59min
Interface	USB	USB	USB
Output Sockets	4 sets	4 sets	4 sets
Voltage	100~140V/195~245V,50/60Hz	100~140V/195~245V,50/60Hz	100~240V,50/60Hz
Operating Temperature and Humidity	0°C~40°C，≤95%	0°C~40°C，≤95%	0°C~40°C，≤95%
Dimensions (L×W×H)	310×260×115mm	310×260×115mm	310×260×115mm
Weight	1.90kg	1.96kg	2.05kg

DL-Mini01

Vertical electrophoresis tank (double plate)



Features

- This product is a device for vertical electrophoresis of a small amount of nucleic acid and protein samples
- The integrated design of the glass plate and the gasket ensures no glue leakage
- Can run two 8.3×7.3cm gels at the same time
- Special glue making device, simple and reliable operation
- Silicone sealing pad, anti-aging and durable
- Open the cover and cut off the power to ensure the safety of the experiment
- The limit function of the upper cover ensures that the positive and negative electrodes will not be installed incorrectly
- 99.99% high-purity platinum electrode, the best electrical conductivity, anti-corrosion and aging
- Equipped with a variety of thickness specifications rubber plate and sample comb to meet different experimental requirements
- It can be used together with DL-ZY02

Technical Parameters

Gel area: 8.3×7.3cm

Gel thickness: 0.75, 1.0, 1.5mm (optional)

Option tooth number of sample comb: 10, 15

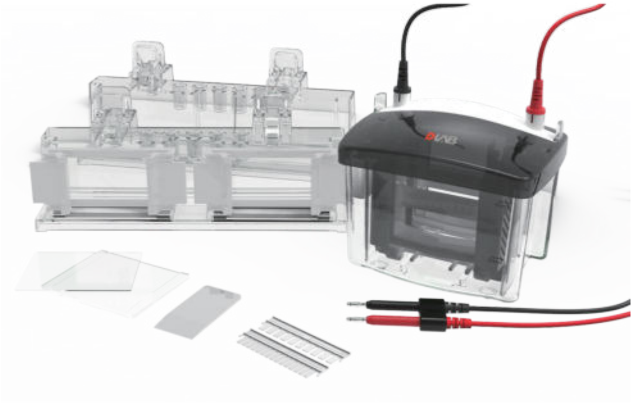
Glass size: short glass plate (10.1×7.3cm) ; long glass plate (10.1×8.2cm)

Standard configuration

Name	Unit	Quantity
Lid (power supply)	set	1
Bottom tank	pc	1
Electrode core	set	1
Gel glass thick plate	pc	5
Gel Glass thin plate	pc	5
10-well comb	pc	2
15-well comb	pc	2
Gel casing stand	pc	2
Casing frame	pc	2
Baffle	pc	1
Gel Releaser	pc	1

DL-MINI04

Vertical electrophoresis tank



Features

- The edge gasket is permanently fixed on the long glass plate to ensure the precise alignment of the glass plate and prevent glue leakage;
- The cam-lock gel frame is easy to operate and can precisely align the glass plate on any plane;
- Special plastic electrophoresis combs do not inhibit gel polymerization Built-in ridges avoid air contact;
- Ensure uniform gel polymerization;
- The long glass plate with edge gasket is thickened so that the glass plate is not easy to break;
- The one-piece gel filling rack is arranged in parallel, and two gels can be observed at the same time;
- SDS-PAGE electrophoresis time: 45 minutes (200V constant voltage);
- High-purity platinum electrode wire to achieve the best electrical conductivity;
- The parameters and accessories of this product are fully compatible with imported similar products;
- This product is compatible with DL-ZY03 for blot transfer;

Technical Parameters

Number of gels: 1-4 pieces

Gel thickness: 0.75, 1, 1.5mm

Option tooth number of sample comb: 10, 15 teeth

Glass size: short glass plate (10.1×7.3cm); long glass plate (10.1×8.2cm)

Gel size: hand-cast gel (8.3×7.3cm); precast gel (8.6×6.8cm)

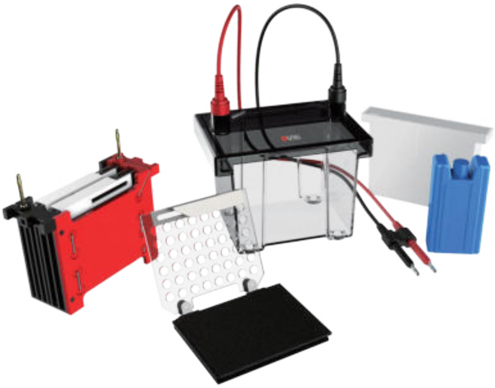
Standard configuration

Name	Unit	Quantity
Lid with cables	Set	1
Bottom tank	pc	1
Electrode main core	Set	1
Electrode sub-core	Set	1
Gel glass thick plate	pc	5
Gel Glass thin plate	pc	5
10-well comb	pc	5
Gel casing stand	pc	2
Casing frame	pc	4
Single Gel Baffle	pc	1
Gel Releaser	pc	1

Prepare 1.0mm thick gel by default

DL-ZY02

Transfer electrophoresis tank



Technical Parameters

Transfer area: 110×90mm
Used together with DL-MINI01, 04
Equipped with a special bubble roller for easy removal of bubbles
Effective transfer gel area: 110×90mm

Standard configuration

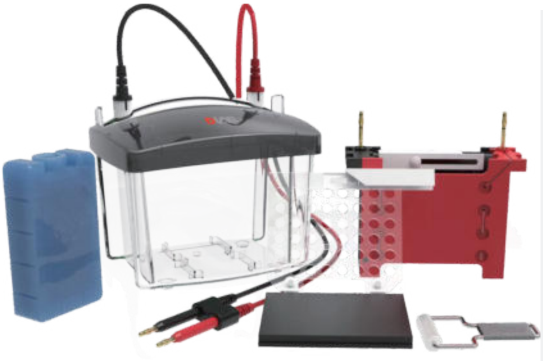
Name	Unit	Quantity
Lid with cables	Set	1
Bottom tank	pc	1
Transfer core	Set	1
Gel Holder Cassette	pc	2
Ice cooling unit	pc	1
Blue cooling unit	pc	2
Transfer Sponge Pad	pc	4

Features

- This product is suitable for fast and high-quality transfer of small protein gels
- The tank body is made of highly transparent polycarbonate material, which is one-time injection molding, no leakage and impact resistance
- Positive electrodes are separated by 4cm to generate a strong electric field for efficient protein transfer
- 99.99% high-purity platinum electrode, better conductivity, corrosion resistance and aging
- Multiple security designs to avoid security issues caused by improper operation
- Built-in ice box or Blue cooling unit is optional to quickly absorb the heat generated during electrophoresis
- Special open Gel Holder Cassette, easy to operate
- Can transfer two 83*73mm gels at the same time

DL-ZY03

Transfer electrophoresis tank



Technical Parameters

Effective transfer area: 110×90mm

Standard configuration

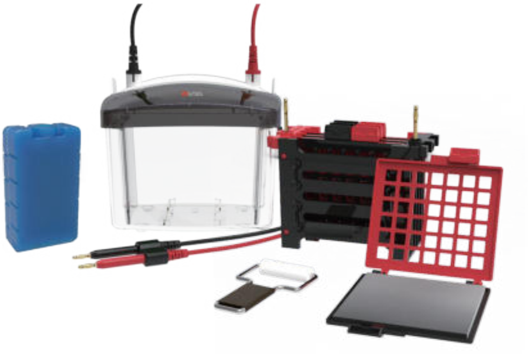
Name	Unit	Quantity
Lid with cables	Set	1
Bottom tank	pc	1
Transfer core	Set	1
Gel Holder Cassette	pc	2
Blue cooling unit	pc	1
Transfer Sponge Pad	pc	4

Features

- For fast, high-quality transfer of small protein condensation fronts
- The tank body is made of highly transparent polycarbonate material, which is one-time injection molding, no leakage and impact resistance
- Two 83*73mm coagulation fronts can be transferred at the same time
- The distance between positive and negative electrodes is 4cm, generating a strong electric field for efficient protein transfer
- 99.99% high-purity platinum electrode, better conductivity, corrosion resistance and aging
- Built-in blue cooling unit to quickly absorb the heat generated during electrophoresis
- Special open Gel Holder Cassette, easy to operate
- Equipped with a special bubble roller for easy removal of bubbles

DL-ZY04

Transfer electrophoresis tank



Technical Parameters

Effective transfer area: 110×90mm

Standard configuration

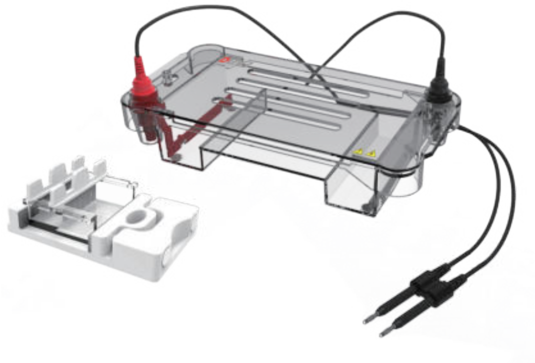
Name	Unit	Quantity
Lid with cables	Set	1
Bottom tank	pc	1
Transfer core	Set	1
Gel Holder Cassette	pc	4
Blue cooling unit	pc	1
Transfer Sponge Pad	pc	8

Features

- For fast, high-quality transfer of small protein condensation fronts
- The tank body is made of highly transparent polycarbonate material, which is one-time injection molding, no leakage and impact resistance
- Four 83*73mm coagulation fronts can be transferred at the same time
- The distance between positive and negative electrodes is 5.5cm, generating a strong electric field for efficient protein transfer
- 99.99% high-purity platinum electrode, better conductivity, corrosion resistance and aging
- Built-in blue cooling unit to quickly absorb the heat generated during electrophoresis
- Special open Gel Holder Cassette, easy to operate
- Equipped with a special bubble roller for easy removal of bubbles

DL-SUB01

Horizontal Electrophoresis Tank



Technical Parameters

Gel size: (W×L) : 60×75mm
Sample comb: 1.0/1.5mm 6/11wells
Buffer volume: 300mL

Standard configuration

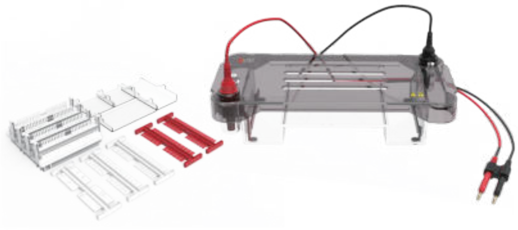
Name	Unit	Quantity
Lid with cables	set	1
Body tank with electrodes	set	1
Gel box	pc	1
Gel tray	pc	1
1.0mm thickness 6 wells comb	pc	2
1.0mm thickness 11 wells comb	pc	2
1.5mm thickness 6 wells comb	pc	2

Features

- Suitable for rapid separation, identification, preparation of DNA, and determination of its molecular weight
- Polycarbonate injection molding, no leakage
- The heat dissipation hole design on the upper cover effectively prevents condensation of water vapor
- Dedicated telescopic elastic glue maker, ensuring cleanliness and no glue leakage
- Limit function, effectively preventing reverse installation of positive and negative electrodes
- Detachable electrodes for easy replacement and maintenance
- 99.99% high-purity platinum electrode, the best conductivity, anti-aging

DL-SUB02

Multi-functional Horizontal Electrophoresis Tank



Technical Parameters

Gel area:

Large gel: 120×120 mm;

Wide gel: 120×60 mm;

Long gel: 60×120 mm;

Small gel: 60×60 mm.

Number of sample combs: 2, 3, 6, 8, 11, 13, 18, 25.

Buffer volume: 700mL.

Standard configuration

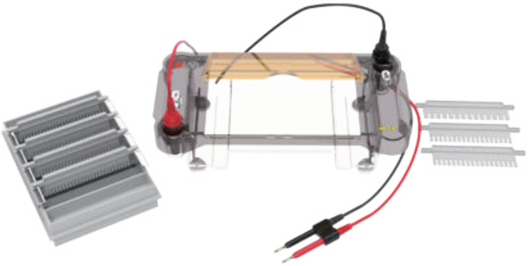
Name	Unit	Quantity
Lid with cables	set	1
Body tank with electrodes	set	1
Gel box	piece	1
Large gel tray（120 X 120)	piece	1
Wide gel tray（120 X 60)	piece	1
Long gel tray（60 X 120)	piece	1
Small gel tray（60 X 60)	piece	2
Sample comb: 2+3 well	piece	1
Sample comb: 6+13 well	piece	1
Sample comb: 8+18 well	piece	1
Sample comb: 15+25 well	piece	4

Features

- Suitable for rapid separation, identification, preparation of DAN, and determination of its molecular weight
- Polycarbonate injection molding, no leakage
- Four different sizes of gels can be made, and two types of gel makers are optional
- Limit function to prevent reverse installation of positive and negative electrodes
- Detachable electrodes for easy replacement and maintenance
- 99.99% high-purity platinum electrode, the best conductivity, anti-aging
- The large glue and the small glue box are designed as one front and back, the big glue can hold up to four rows of combs at a time
- Fluorescent ruler on the bottom of the tray

DL-SUB03

Multi-functional Horizontal Electrophoresis Tank



Technical Parameters

Gel size (W X L): 130 X 200mm、130 X 150mm
Sample comb: 1.0mm 14、18、26 wells
1.5mm 18-well
Buffer volume: 800mL

Standard configuration

Name	Unit	Quantity
Lid with cables	set	1
Body tank with electrodes	set	1
Gel box	pc	1
Large gel tray（130 X 200)	pc	1
Small gel tray（130 X 150)	pc	1
1.0mm thickness 14 wells comb	pc	2
1.0mm thickness 18 wells comb	pc	2
1.0mm thickness 26 wells comb	pc	2
1.5mm thickness 18 wells comb	pc	2

Features

- Suitable for nucleic acid electrophoresis, separation and identification of DNA and determination of its molecular weight
- Polycarbonate high-strength transparent plastic injection molding, no leakage, impact resistance
- Professional shielding blue light clamshell design, open the cover can effectively dissipate heat
- The bottom level adjustment knob can adjust the level of the electrophoresis tank
- Two different gel sizes, meet the needs of general and high-throughput electrophoresis
- The front and back design of the gel box, can save space
- The background strip at the bottom of the tray is more conducive to observing sample loading
- 99.99% high-purity platinum electrode, the best conductivity

UV-visible spectrophotometer

SP-V1000/SP-UV1000/
SP-V1100/ SP-UV1100

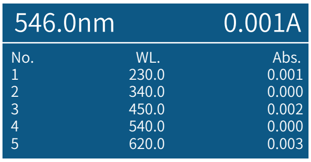
Features

- The shape is professional, concise, friendly and mellow, and the appearance design conforms to ergonomics. The use of high-quality materials, fine craftsmanship, soft texture, showing a good user experience
- Attention to human-device experience, friendly interactive interface, easy for users to operate and detect
- Up to 128 sets of standard curves and 4000 test data can be saved
- Test data is saved in real time to avoid data loss in case of sudden power failure.
- Automatic wavelength calibration and dark current correction
- It can automatically switch the light source and turn off the corresponding light source, so as to prolong the service life of the light source to the greatest extent.
- The instrument has rich functions and can realize various functional operations, and the host can independently complete photometric measurement and quantitative test, kinetics measurement and other functions
- Can be used with automatic cell holder, film holder, tube rack, constant temperature cell holder, reflectivity accessory, variable optical path sample holder, variable angle solid sample holder and other special accessories
- The computer software is designed with single interface and multiple functions, which has friendly interface, simple operation, rich and powerful functions, and fast response speed. Real-time monitoring data change. The unique shortcut toolbar makes the experimental process clear at a glance, which greatly facilitates the use. And can be extended more application functions, such as wavelength scanning, time scanning (kinetics), multi-wavelength scanning, and DNA/protein detection analysis.

Applications

The spectrophotometer produced by our company refers to the absorbance or transmittance of a substance at a specific wavelength or within a certain wavelength range, carry out qualitative or quantitative analysis on that substance, as well as kinetic experiments, protein or DNA detection, DNA and RNA quantitative analysis, protein quantitative analysis and other applications. It can be widely used in medicine and health, clinical testing, biochemistry, petrochemical industry, environmental protection testing, food hygiene and quality control. It can also be used as a teaching demonstration and experimental instrument for related courses in colleges and universities.

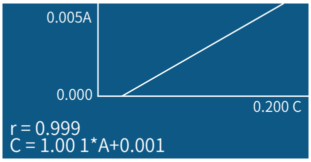
Photometry



546.0nm 0.001A

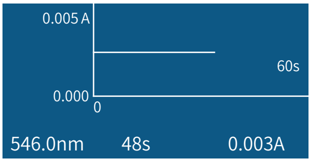
No.	WL.	Abs.
1	230.0	0.001
2	340.0	0.000
3	450.0	0.002
4	540.0	0.000
5	620.0	0.003

Quantitation



r = 0.999
C = 1.00 1*A+0.001

Kinetics



546.0nm 48s 0.003A

Model	SP-V1000	SP-UV1000	SP-V1100	SP-UV1100
Optical System	Single Beam	Single Beam	Single Beam	Single Beam
Light Source	Tungsten Lamp (Japan HYBEC)	Tungsten Lamp (Japan HYBEC) | Deuterium Lamp(Milaras)	Tungsten Lamp (Japan HYBEC)	Tungsten Lamp (Japan HYBEC) | Deuterium Lamp(Milaras)
Spectral Bandwidth	4.0nm	4.0nm	2.0nm	2.0nm
Wavelength Range	325-1000nm	200-1000nm	320-1100nm	190-1100nm
Wavelength Accuracy	±2nm	±2nm	±0.5nm	±0.5nm
Wavelength Repeatability	≤1nm	≤1nm	≤0.3nm	≤0.3nm
Photometric Range	-0.3 - 3.0 A, 0 - 200%T	-0.3 - 3.0 A, 0 - 200%T	-0.3 - 3.0 A, 0 - 200%T	-0.3 - 3.0 A, 0 - 200%T
Photometric Accuracy	±0.003 A @ 0.5 A, ±0.006 A @ 1.0 A, ±0.5%T @ 100%T	±0.003 A @ 0.5 A, ±0.006 A @ 1.0 A, ±0.5%T @ 100%T	±0.002 A @ 0.5 A, ±0.004 A @ 1.0 A, ±0.3%T @ 100%T	±0.002 A @ 0.5 A, ±0.004 A @ 1.0 A, ±0.3%T @ 100%T
Photometric Repeatability	≤0.0015 A @ 0.5 A, ≤0.003 A @ 1.0 A, ≤0.25%T @ 100%T	≤0.0015 A @ 0.5 A, ≤0.003 A @ 1.0 A, ≤0.25%T @ 100%T	≤0.001 A @ 0.5 A, ≤0.002 A @ 1.0 A, ≤0.15%T @ 100%T	≤0.001 A @ 0.5 A, ≤0.002 A @ 1.0 A, ≤0.15%T @ 100%T
Stability	≤0.002 A/h @ 500 nm (after preheat 2 hours)	≤0.002 A/h @ 500 nm (after preheat 2 hours)	≤0.002 A/h @ 500 nm (after preheat 2 hours)	≤0.002 A/h @ 500 nm (after preheat 2 hours)
Stray Light	≤0.2%T @ 360nm	≤0.2%T @ 360nm	≤0.05%T @ 360nm	≤0.05%T @ 220 & 360nm
Sample Compartment	Manual 4-position 1cm holder (standard for single beam)	Manual 4-position 1cm holder (standard for single beam)	Manual 4-position 1cm holder (standard for single beam)	Manual 4-position 1cm holder (standard for single beam)
Display	Dot Matrix LCD	Dot Matrix LCD	Dot Matrix LCD	Dot Matrix LCD
Output	USB Port & Parallel Port (Printer)	USB Port & Parallel Port (Printer)	USB Port & Parallel Port (Printer)	USB Port & Parallel Port (Printer)
Power Requirements	110/220VAC, 50/60Hz, 80W	110/220VAC, 50/60Hz, 120W	110/220VAC, 50/60Hz, 80W	110/220VAC, 50/60Hz, 120W
Dimension[L×W×H]	475×360×225mm	475×360×225mm	475×360×225mm	475×360×225mm
Weight	11kg	14.6kg	11kg	14.6kg

item No. 18204261

micro-volume cell holder

item No. 18204257

4 position cell holder(100mm)

item No. 18204255

4 position cell holder(10mm)

item No. 18204256

4 position cell holder(10-50mm)

item No. 18204262

Tube rack(ø8-ø22mm)

item No. 18204268 glass
18204277 quartz

Cuvette glass/quartz

item No. 18204265

Tungsten lamp

item No. 18204266

Deuterium lamp

item No. 18204263

Solid Specimen Holder

item No. 1820434

Bluetooth thermal printer

item No. 18901116

4 position cell holder(10mm)

item No. 18204258

cylindrical cell holder(ø16mm)

item No. 18204260

10mm water-jacketed 4-cell holder
(for SP-V1100 &SP-UV1100)

SP-UV2101

Touch screen single beam Visible spectrophotometer

Features

- 10.1 inches high resolution TFT colored capacitive touch screen （1024*600） and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.

Specifications	SP-UV2101
Optical System	Single Beam
Wavelength Range	190-1100 nm
Spectral Bandwidth	1.0nm
Wavelength Accuracy	±0.1nm (at 656.1nm), ±0.3nm full range
Wavelength Repeatability	⩽0.1nm
Photometric Accuracy	±0.0015A(0～0.5A)±0.002A(0.5A～1A)
Photometric Repeatability	±0.001A(0～0.5A)±0.0015A(0.5A～1A)
Photometric Range	-0.3～3A,0～9999C(0～9999F)
Stray Light	⩽0.03%T @ 220,360nm
Stability	⩽0.001 A/h / 500 nm(After 1 hour of preheating)
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	High | Medium | Slow
Wavelength Setting	Auto
Display	10.1-inch large color touch screen(1024×600)
Light Source	Tungsten Lamp(Japan HYBEC) | Deuterium Lamp (Milaras)
Detector	Imported Silicon Photodiode
Cuvette Holder	Manual 4-position 1cm holder (standard for single beam)
Output	USB Port Printer Port
Power Requirements	110/220V,50/60Hz,120W
Dimension[L×W×H]	570mm×440×210mm
Weight	20kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software

SP-UV2102

Touch screen single beam UV Vis spectrophotometer

Features

- 10.1 inches high resolution TFT colored capacitive touch screen（1024*600） and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.

Specifications	SP-UV2102
Optical System	Single Beam
Wavelength Range	190-1100 nm
Spectral Bandwidth	2.0nm
Wavelength Accuracy	±0.1nm (at 656.1nm), ±0.3nm full range
Wavelength Repeatability	⩽0.1nm
Photometric Accuracy	±0.002A(0～0.5A)±0.003A(0.5A～1A)
Photometric Repeatability	±0.001A(0～0.5A)±0.0015A(0.5A～1A)
Photometric Range	-0.3～3A,0～9999C(0～9999F)
Stray Light	⩽0.05%T @ 220,360nm
Stability	⩽0.001 A/h / 500 nm(After 1 hour of preheating)
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	High | Medium | Slow
Wavelength Setting	Auto
Display	10.1-inch large color touch screen(1024×600)
Light Source	Tungsten Lamp(Japan HYBEC) | Deuterium Lamp (Milaras)
Detector	Imported Silicon Photodiode
Cuvette Holder	Manual 4-position 1cm holder (standard for single beam)
Output	USB Port Printer Port
Power Requirements	110/220V,50/60Hz,120W
Dimension[L×W×H]	570mm×440×210mm
Weight	20kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software

SP-UV3101

Touch screen double beam UV Vis spectrophotometer

Features

- 10.1 inches high resolution TFT colored capacitive touch screen（1024*600） and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.

Specifications	SP-UV3101
Optical System	Double Beam
Wavelength Range	190-1100 nm
Spectral Bandwidth	1.0nm
Wavelength Accuracy	±0.1nm (at 656.1nm), ±0.3nm full range
Wavelength Repeatability	⩽0.1nm
Photometric Accuracy	±0.0015A(0～0.5A)±0.002A(0.5A～1A)
Photometric Repeatability	±0.001A(0～0.5A)±0.0015A(0.5A～1A)
Photometric Range	-0.3～3A,0～9999C(0～9999F)
Stray Light	⩽0.02%T @ 220,360nm
Stability	⩽0.001 A/h/500nm(After 1 hour of preheating)
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	High | Medium | Slow
Wavelength Setting	Auto
Display	10.1-inch large color touch screen(1024×600)
Light Source	Tungsten Lamp(Japan HYBEC) | Deuterium Lamp (Milaras)
Detector	Imported Silicon Photodiode
Cuvette Holder	Single hole 1cm holder(standard for double beam)
Output	USB Port Printer Port
Power Requirements	110/220V,50/60Hz,120W
Dimension[L×W×H]	570mm×440×210mm
Weight	20kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software

SP-UV3102

Touch screen double beam UV Vis spectrophotometer

Features

- 10.1 inches high resolution TFT colored capacitive touch screen（1024*600） and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.

Specifications	SP-UV3102
Optical System	Double Beam
Wavelength Range	190-1100 nm
Spectral Bandwidth	2.0nm
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all
Wavelength Repeatability	⩽0.1nm
Photometric Accuracy	±0.002A(0～0.5A)±0.003A(0.5A～1A)
Photometric Repeatability	±0.001A(0～0.5A)±0.0015A(0.5A～1A)
Photometric Range	-0.3～3A,0～9999C(0～9999F)
Stray Light	⩽0.03%T @ 220,360nm
Stability	⩽0.001 A/h/500nm(After 1 hour of preheating)
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	High | Medium | Slow
Wavelength Setting	Auto
Display	10.1-inch large color touch screen(1024×600)
Light Source	Tungsten Lamp(Japan HYBEC) | Deuterium Lamp (Milaras)
Detector	Imported Silicon Photodiode
Cuvette Holder	Single hole 1cm holder(standard for double beam)
Output	USB Port Printer Port
Power Requirements	110/220V,50/60Hz,120W
Dimension[L×W×H]	570mm×440×210mm
Weight	20kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software

SP-XUV5101

Touch screen xenon lamp double beam UV Vis spectrophotometer

Features

- 10.1 inches high resolution TFT colored capacitive touch screen （1024*600） and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Xenon lamp light source with extra-long serive life saves you the trouble of changing lamps;
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.

Specifications	SP-XUV5101
Optical System	Double Beam
Wavelength Range	190-1100 nm
Spectral Bandwidth	1.0nm
Wavelength Accuracy	±0.1nm (at 656.1nm), ±0.3nm full range
Wavelength Repeatability	⩽0.1nm
Photometric Accuracy	±0.0015A(0～0.5A)±0.002A(0.5A～1A)
Photometric Repeatability	±0.001A(0～0.5A)±0.0015A(0.5A～1A)
Photometric Range	-0.3～3A,0～9999C(0～9999F)
Stray Light	⩽0.02%T @ 220,360nm
Stability	⩽0.001 A/h / 500nm
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	High | Medium | Slow
Wavelength Setting	Auto
Display	10.1-inch large color touch screen(1024×600)
Light Source	Hamamatsu Xenon Lamp (Japan)
Detector	Imported Silicon Photodiode
Cuvette Holder	Single hole 1cm holder(standard for double beam)
Output	USB Port Printer Port
Power Requirements	110/220V,50/60Hz,120W
Dimension[L×W×H]	570mm×440×210mm
Weight	20kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software

SP-XUV5102

Touch screen xenon lamp double beam UV Vis spectrophotometer

Features

- 10.1 inches high resolution TFT colored capacitive touch screen（1024*600） and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Xenon lamp light source with extra-long serive life saves you the trouble of changing lamps;
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.

Specifications	SP-XUV5102
Optical System	Double Beam
Wavelength Range	190-1100 nm
Spectral Bandwidth	2.0nm
Wavelength Accuracy	±0.1nm (at 656.1nm), ±0.3nm full range
Wavelength Repeatability	⩽0.1nm
Photometric Accuracy	±0.002A(0～0.5A)±0.003A(0.5A～1A)
Photometric Repeatability	±0.001A(0～0.5A)±0.0015A(0.5A～1A)
Photometric Range	-0.3～3A,0～9999C(0～9999F)
Stray Light	⩽0.03%T @ 220,360nm
Stability	⩽0.001A/h / 500 nm
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	High | Medium | Slow
Wavelength Setting	Auto
Display	10.1-inch large color touch screen(1024×600)
Light Source	Hamamatsu Xenon Lamp (Japan)
Detector	Imported Silicon Photodiode
Cuvette Holder	Single hole 1cm holder(standard for double beam)
Output	USB Port Printer Port
Power Requirements	110/220V,50/60Hz,120W
Dimension[L×W×H]	570mm×440×210mm
Weight	20kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software

item No. 18901008

1mm(H)*10mm(W)*30mm(L)
(for SP-UV3101/SP-UV3102/
SP-UV5101/SP-UV5102)

item No. 18901007

Thin film sample holder
1mm（H）*10mm（W）*30mm（L）
(for SP-UV2101/SP-UV2102)

item No. 18901009

Single hole 1cm holder
(for SP-UV3101/SP-UV3102/
SP-UV5101/SP-UV5102)

item No. 18901010

Single hole 5cm holder(1cm-10cm)
(for SP-UV3101/SP-UV3102/
SP-UV5101/SP-UV5102)

item No. 18204256

4 position 5cm holder(1cm-5cm)
(for SP-UV2101/SP-UV2102)

item No. 18900336

10MM water bath 4-position manual
cuvette holder 1cm
(for SP-UV2101/SP-UV2102)

item No. 18901012

Integrating Sphere
95mm(L)* 101mm(W)* 99mm(H)
(for SP-UV3101/SP-UV3102/
SP-UV2101/SP-UV2102)

item No. 18901013

Automatic 8-position cell holder
1cm
(for SP-UV2101/SP-UV2102)

item No. 18901014

Automatic 5-position cell holder
1cm-5cm
(for SP-UV2101/SP-UV2102)

item No. 18902175

Automatic 4-position cell holder
1cm-5cm
(for SP-UV2101/SP-UV2102)

item No. 18902200

Automatic 8-position cell holder
1cm
(for SP-UV3101/SP-UV3102/
SP-UV5101/SP-UV5102)

item No. 18901011

Deuterium lamp（A510KU） 10V
(for SP-UV3101/SP-UV3102/
SP-UV2101/SP-UV2102)

item No. 18901382

Tungsten lamp HYBEC
(for SP-UV3101/SP-UV3102/
SP-UV2101/SP-UV2102)

item No. 18901509

Visible light precision filter
440、546、635nm
(for full series)

item No. 18901510

UV-K2Cr2O7
235、257、313、350nm
(for full series)

item No. 18901511

HOMIUM
241、361、417、538、641nm
(for full series)

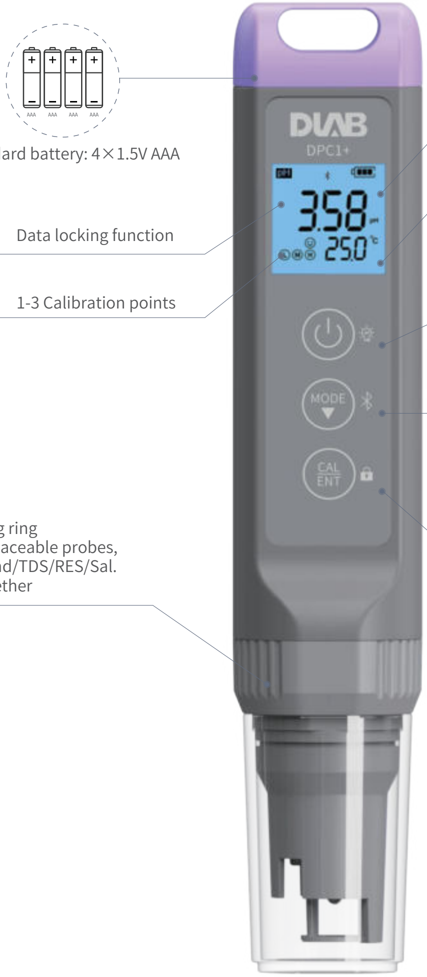
item No. 18901512

Stray light filter
220nm
(for full series)

item No. 18901513

Stray light filter
360nm
(for full series)

Pocket Testers



Standard battery: 4×1.5V AAA

Data locking function

1-3 Calibration points

Locking ring
Designed with replaceable probes,
Combines pH/Cond/TDS/RES/Sal.
altogether

Backlight display color:
White color: measurement mode
Green color: calibration mode
Red color: alarm mode activated

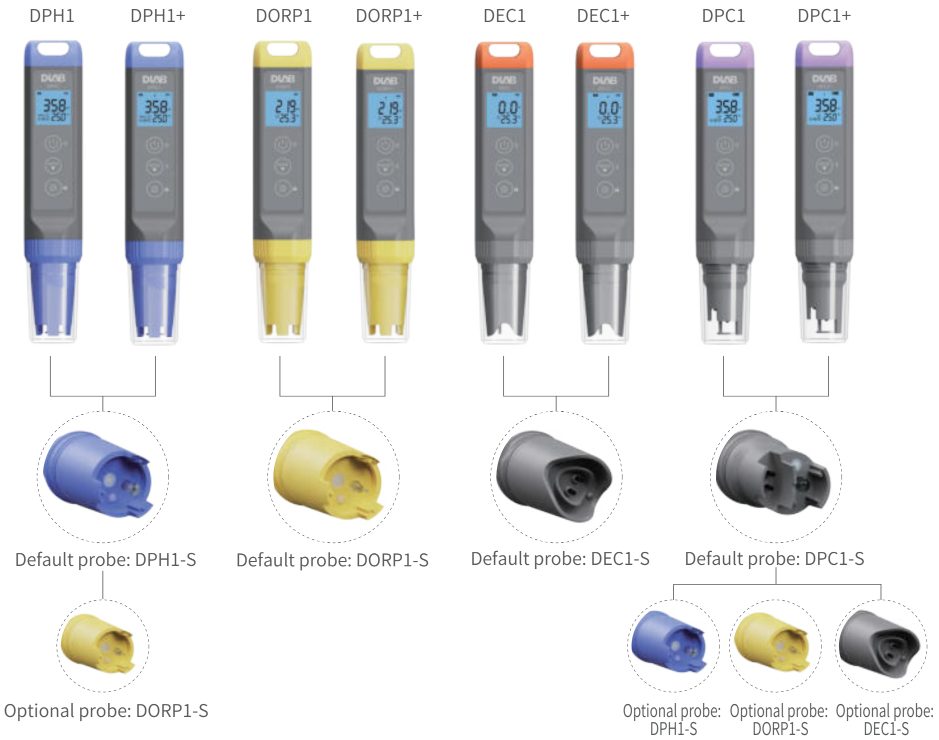
Sample ID classification and
measurement information share

Power key
- When turned off, short press to turn on the tester; long press to enter parameter setting.
- When turned on, long press to turn off the tester, short press to turn on/off backlight or exit set-up mode.

MODE key
- Long press to turn on/off Bluetooth connection
- short press to switch parameter

CAL/ENT key
- Long press to enter calibration mode.
- Short press to manually lock/unlock reading.

DPC1/DPC1+


DPH1
DPH1+
DORP1
DORP1+
DEC1
DEC1+
DPC1
DPC1+
Default probe: DPH1-S
Default probe: DORP1-S
Default probe: DEC1-S
Default probe: DPC1-S
Optional probe: DORP1-S
Optional probe: DPH1-S
Optional probe: DORP1-S
Optional probe: DEC1-S

Features

- Replaceable combined probe design, meeting different applications
- Multi-color backlight display, easy to read data in different modes
- Data reading indicator and automatic data locking when the reading is stable
- Low voltage indication ensures timely battery replacement
- Buffers solutions: CH, USA, NIST standards are selectable
- Auto shut-off time, customized backlight display time
- Supplied with standard solution, sample vials and lanyard for convenient field test
- Dual-control mode with mobile APP connection to achieve powerful data storage
- The mobile APP provides four types of measurement display for different situations, including Graph mode, Table mode, Dial mode, and General mode
- Protection class: IP67

Specifications

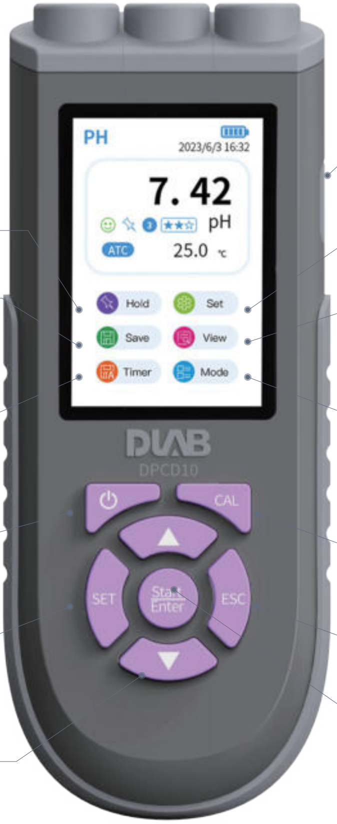
Model			DPH1	DORP1	DEC1	DPC1
Parameter		pH/mV.°C	√	-	-	√
		mV(ORP).°C	√	√	-	√
		Cond/TDS/Sal./Res.°C	-	-	√	√
pH	**Measurement range**	(-2.00~16.00)pH	√	-	-	√
	Resolution	0.1/0.01	√	-	-	√
	Accuracy	±0.01pH±1digit	√	-	-	√
	Calibration points	1, 2, -3pts automatic	√	-	-	√
	ATC range	0-60°C(32~140°F)	√	-	-	√
ORP	**Measurement range**	(-1000.0~+1000.0)mV	√	√	-	√
	Resolution	0.1	√	√	-	√
	Accuracy	±0.1%F.S ±one digit	√	√	-	√
Conductivity	**Measurement range**	0~19.99mS/cm, Auto~ranging： 0~19.99μS/cm;20.0~199.9μS/cm; 200~1999μS/cm;2.00~19.99mS/cm TDS:0.0mg/L~10.0g/L(TDS factor adjustable) Resistivity:50Ω·cm~20MΩ·cm Salinity:0~10ppt	-	-	√	√
	Resolution	0.01/0.1/1	-	-	√	√
	Accuracy	±1.0%F.S ±one digit	-	-	√	√
Temperature	**Measurement range**	0-60°C(32~140°F)	√	√	√	√
	Accuracy	±0.2°C	√	√	√	√
Test Kit		Meter	√	√	√	√
		Probe(pre-installed)	DPH1-S	DORP1-S	DEC1-S	DPC1-S
		pH buffer solution:pH4.00/7.00/10.01,30mL,one for each	√	-	-	-
		3.0 mol KCl pH/ORP soaking solution:10mL,1 bottle	√	√	-	√
		Sample Vials:30mL	3	1	2	4
		Standard ORP solution:222 mV,30mL	-	√	-	-
		Standard Cond solution:1413μS/12.88mS/cm 30mL,one for each	-	-	√	√
		pH buffer solution:pH4.00/7.00,30mL,one for each	-	-	-	√
		4×1.5V AAA alkaline batteries(pre-installed)	√	√	√	√
		Lanyard	√	√	√	√
		Hard carrying case(L/W/H: 28.0×23.0×8.2cm)	√	√	√	√

Specifications: Bluetooth Series

Model			DPH1+	DORP1+	DEC1+	DPC1+
Parameter		pH/mV.°C	✓	-	-	✓
		mV(ORP).°C	✓	✓	-	✓
		Cond/TDS/Sal./Res.°C	-	-	✓	✓
pH	**Measurement range**	(-2.00~16.00)pH	✓	-	-	✓
	Resolution	0.1/0.01	✓	-	-	✓
	Accuracy	±0.01pH±1digit	✓	-	-	✓
	Calibration points	1, 2, -3pts automatic	✓	-	-	✓
	ATC range	0-60°C(32~140°F)	✓	-	-	✓
ORP	**Measurement range**	(-1000.0~+1000.0)mV	✓	✓	-	✓
	Resolution	0.1	✓	✓	-	✓
	Accuracy	±0.1%F.S ±one digit	✓	✓	-	✓
Conductivity	**Measurement range**	0~19.99mS/cm, Auto~ranging： 0~19.99μS/cm;20.0~199.9μS/cm; 200~1999μS/cm;2.00~19.99mS/cm TDS:0.0mg/L~10.0g/L(TDS factor adjustable) Resistivity:50Ω·cm-20MΩ·cm Salinity:0~10ppt	-	-	✓	✓
	Resolution	0.01/0.1/1	-	-	✓	✓
	Accuracy	±1.0%F.S ±one digit	-	-	✓	✓
Temperature	**Measurement range**	0~60°C(32-140°F)	✓	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓	✓
APP		Calibration reminder	✓	✓	✓	✓
		Sample ID Classification	✓	✓	✓	✓
		Timing datalogging	✓	✓	✓	✓
		Operation guider	✓	✓	✓	✓
		Various display modes	✓	✓	✓	✓
Test Kit		Meter	✓	✓	✓	✓
		Probe(pre-installed)	DPH1-S	DORP1-S	DEC1-S	DPC1-S
		pH buffer solution:pH4.00/7.00/10.01,30mL,one for each	✓	-	-	-
		3.0 mol KCl pH/ORP soaking solution:10mL,1 bottle	✓	✓	-	✓
		Sample Vials:30mL	3	1	2	4
		Standard ORP solution:222 mV,30mL	-	✓	-	-
		Standard Cond solution:1413μS/12.88mS/cm 30mL,one for each	-	-	✓	✓
		pH buffer solution:pH4.00/7.00,30mL,one for each	-	-	-	✓
		4×1.5V AAA alkaline batteries(pre-installed)	✓	✓	✓	✓
		Lanyard	✓	✓	✓	✓
		Hard carrying case(L/W/H: 28.0×23.0×8.2cm)	✓	✓	✓	✓

DPCD10

Portable pH/Cond/DO meter


PH
2023/6/3 16:32
7.42
pH
ATC
25.0 ℃
Hold
Set
Save
View
Timer
Mode
DLAB
DPCD10
CAL
SET
Start
Enter
ESC

Data locking
Press to start data lock/free

Manual data logger
(No.,parameter, value, temp, date and time)

Auto. timing data logger
(0.5,1,2,3,5,10,20m)

Long press to power on/off

- Shortcut key to start parameter setting.
- In the pH measurement mode,
  long press to change the
  pH resolution: 0.1/0.01/0.001

Parameter selection

Charging socket: Type-C

Parameter Setting Key

View data stored(press △▽to display)

Parameter selection
pH→MV→ORP
COND(RES/TDS/SAL)→DO(SAT)

CAL key
Press to enter calibration mode

ESC Key
Press to return to measurement mode

Start/Enter Key
Calibration/parameter setting confirmation

BNC，
for pH/ORP probe

4 pins，
for temperature/
cond probe

8 pins，
for DO probe

Silicone protective caps

Portable Meters

Single parameter

Multiparameter

Features

- 3.5"TFT Color Display, easy to read
- The new UI interface, easy operation
- Intelligent function with Auto. timing datalogger, parameter setting, data holder
- Data storage up to 3000 groups
- Cond mode: Support probe constant calibration, conductivity standard solution calibration
- Power supply: rechargeable lithium battery
- Charging socket: USB/Type-C, in line with the European new regulations.
- Protection class: IP57

DDOPRO10

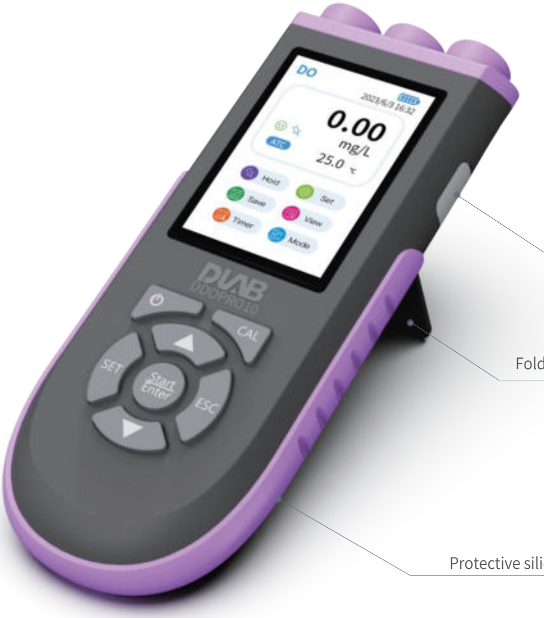
Optical DO

Accurate, fast and stable reading, no minimum flow rate request, not sensitive to hydrogen sulfide.

DO
2023/6/3 16:32
0.00
mg/L
ATC
25.0 ℃
Hold
Set
Save
View
Timer
Mode
DLAB
DDOPRO10
CAL
SET
Start Enter
ESC

Features

- 3.5" TFT Color Display, user-friendly interface
- A robust POM housing and stainless-steel protective guard ensure durability when measuring in tough environments
- No membranes, no electrolyte, no warm up, minimize hassle
- Fast response (shorter than 15s), fluorescence sensor technology provides high accuracy and repeatability
- Intelligent function with Auto. timing datalogger, parameter setting, data hold
- Built-in temperature sensor, real-time temperature compensation
- Automatic barometric pressure compensation



Charging socket: Type-C

Foldable stand for convenient usage.

Protective silicone cover

Specifications-Single parameter

Model			DPH10	DORP10	DEC10	DDO10 Polarographic Type	DDOPRO10 Optical Type
Parameter		pH/mV.℃	✓	-	-	-	-
		mV(ORP).℃	✓	✓	-	-	-
		Cond/TDS/Sal./Res.℃	-	-	✓	-	-
		DO.℃	-	-	-	✓	✓
pH	Measurement range	(-2.000-20.000)pH	✓	-	-	-	-
	Resolution	0.1/0.01/0.001	✓	-	-	-	-
	Accuracy	±0.002pH±one digit	✓	-	-	-	-
	Calibration points	1, 2, -3pts automatic	✓	-	-	-	-
	ATC range	(-10.0-135.0)℃/(14.0-275.0)°F	✓	-	-	-	-
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	✓	-	-	-
	Resolution	0.1	✓	✓	-	-	-
	Accuracy	±0.03%F.S ±one digit	✓	✓	-	-	-
Conductivity	Measurement range	0-2000.0mS/cm, auto-ranging:0-19.999μS/cm; 20.0-199.9μS/cm; 200-1999μS/cm;2.00-19.99mS/cm; 20.00-199.9mS/cm;200.0-2000mS/cm(K=10) Match test range:0-200mS/cm TDS:0 - 1000.0g/L(TDS factor adjustable) Resistivity:5.000Ω·cm-100.0MΩ·cm Salinity:0~100 ppt	-	-	✓	-	-
	Calibration points	one point	-	-	✓	-	-
	Resolution	0.001/0.01/0.1/1	-	-	✓	-	-
	ATC range	(0.0~50.0)℃/(32.0~122.0)°F	-	-	✓	-	-
	Accuracy	±0.5 % F.S ±one digit	-	-	✓	-	-
DO	Measurement range	(0.00~20.00)mg/L	-	-	-	✓	✓
	Accuracy	±0.30 mg/L	-	-	-	✓	-
		±0.20 mg/L				-	✓
	DO saturation	(0.0~200.0)%	-	-	-	✓	✓
	Automatic barometric pressure compensation	(0~200.0)kPa	-	-	-	✓	✓
	Automatic temperature compensation	(0.0~50.0)℃/(32.0~122.0)°F	-	-	-	✓	✓
	Manual salinity compensation	0~45ppt	-	-	-	✓	✓
Temperature	Measurement range	(-10.0~135.0)℃/(14.0~275.0)°F	✓	✓	✓	✓	✓
	Accuracy	±0.2℃	✓	✓	✓	✓	✓
Others	Charging socket	Type-C	✓	✓	✓	✓	✓
	Power supply	Rechargeable lithium battery	✓	✓	✓	✓	✓
	IP Rating	IP57	✓	✓	✓	✓	✓
Test kit		Meter	✓	✓	✓	✓	✓
		Plastic ATC pH probe D201T-H	✓	-	-	-	-
		Plastic ORP probe DORP301	-	✓	-	-	-
		Stainless~steel temperature probe DTEMP-02H	-	✓	-	-	-
		Plastic ATC Cond probe DCON201T,K=1.0	-	-	✓	-	-
		Polarographic DO probe DDO01-2M-H,cable length:2m	-	-	-	✓	-
		Optical DO probe DODO01-3M,cable length:3m	-	-	-	-	✓
		pH buffer solution:pH4.00/7.00/10.01,50mL,one for each	✓	-	-	-	-
		Standard ORP solution:222mV,50mL,1btl	-	✓	-	-	-
		Standard Cond solution:84μS/1413μS/12.88mS/cm,50mL,one for each	-	-	✓	-	-
		Membrane refill solution:DDOS~01,30mL,1btl	-	-	-	✓	-
		Membrane sensor caps DDOSC:3pcs/group,1pkg	-	-	-	✓	-
		Rechargeable lithium battery(pre-installed)	✓	✓	✓	✓	✓
		Charging cable:1pc	✓	✓	✓	✓	✓
		Hard carrying case(L/W/H:33.0×27.2×8.2cm):1pc	✓	✓	✓	✓	✓

Specifications-Multiparameter

Model			DPC10	DPD10	DCD10	DPO10	DPCD10
Parameter		pH/mV.°C	✓	✓	-	✓	✓
		mV(ORP).°C	✓	✓	-	✓	✓
		Cond/TDS/Sal./Res.°C	✓	-	✓	-	✓
		DO.°C	-	✓	✓	-	✓
pH	Measurement range	(-2.000~20.000)pH	✓	✓	-	✓	✓
	Resolution	0.1/0.01/0.001	✓	✓	-	✓	✓
	Accuracy	±0.002pH±one digit	✓	✓	-	✓	✓
	Calibration points	1, 2, -3pts automatic	✓	✓	-	✓	✓
	ATC range	(-10.0-135.0)°C/(14.0-275.0)°F	✓	✓	-	✓	✓
ORP	Measurement range	(-1999.9~+1999.9)mV	✓	✓	-	✓	✓
	Resolution	0.1	✓	✓	-	✓	✓
	Accuracy	±0.03%F.S ±one digit	✓	✓	-	✓	✓
Conductivity	Measurement range	0~2000.0mS/cm, Auto~ranging:0~19.999μS/cm; 20.0~199.9μS/cm;200~1999μS/cm;2.00~19.99mS/cm; 20.00~199.9mS/cm;200.0~2000mS/cm(K=10) Match test range:0~200mS/cm TDS:0~1000.0g/L((TDS factor adjustable) Resistivity:5.000Ω·cm~100.0MΩ·cm Salinity:0~100ppt	✓	-	✓	-	✓
	Calibration points	one point	✓	-	✓	-	✓
	Resolution	0.001/0.01/0.1/1	✓	-	✓	-	✓
	ATC range	(0.0~50.0)°C/(32.0~122.0)°F	✓	-	✓	-	✓
	Accuracy	±0.5 % F.S ±one digit	✓	-	✓	-	✓
DO	Measurement range	(0.00~20.00)mg/L	-	✓	✓	-	✓
	Accuracy	±0.30 mg/L	-	✓	✓	-	✓
	DO saturation	(0.0~200.0)%	-	✓	✓	-	✓
	Automatic barometric pressure compensation	(0~200.0)kPa	-	✓	✓	-	✓
	Automatic temperature compensation	(0.0~50.0)°C/(32.0~122.0)°F	-	✓	✓	-	✓
	Manual salinity compensation	0~45ppt	-	✓	✓	-	✓
Temperature	Measurement range	(-10.0~135.0)°C/(14.0~275.0)°F	✓	✓	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓	✓	✓
Others	Charging socket	Type-C	✓	✓	✓	✓	✓
	Power supply	Rechargeable lithium battery	✓	✓	✓	✓	✓
	IP Rating	IP57	✓	✓	✓	✓	✓
Test kit		Meter	✓	✓	✓	✓	✓
		Plastic ATC pH probe D201T-H	✓	✓	-	✓	✓
		Plastic ORP probe DORP301	-	-	-	✓	-
		Stainless-steel temperature probe DTEMP-02H	-	-	-	✓	-
		Plastic ATC Cond probe DCON201T,K=1.0	✓	-	✓	-	✓
		Polarographic DO probe DDO01-2M-H,cable length:2m	-	✓	✓	-	✓
		pH buffer solution:pH4.00/7.00/10.01,50mL,one for each	✓	✓	-	✓	✓
		Standard ORP solution:222mV,50mL,1btl	-	-	-	✓	-
		Standard Cond solution:84μS/1413μS/12.88mS/cm,50mL,one for each	✓	-	✓	-	✓
		Membrane refill solution:DDOS-01,30mL,1btl	-	✓	✓	-	✓
		Membrane sensor caps DDOSC:3pcs/group,1pkg	-	✓	✓	-	✓
		Rechargeable lithium battery(pre-installed)	✓	✓	✓	✓	✓
		Charging cable	✓	✓	✓	✓	✓
		Hard carrying case(L/W/H: 36.0×32.0×9.0cm)	✓	✓	✓	✓	✓

BENCHTOP-Classical series

Features

- High-res 7" display screen with white backlight, easy to read
- Automatic calibration, ATC measurement, parameter setup
- Automatic reading stable indication, calibration indication
- Data storage: 450 readings
- Data export: Flash disk/ Wireless printer (the printer is optional)
- Equipped with a flexible probe holder and pH buffer solutions for convenient use
- Protection class: IP54

Specifications-Single parameter

Model			DPH100	DEC100	DDO100
Parameter		pH/mV.°C	√	-	-
		mV(ORP).°C	√	-	-
		Cond/TDS/Sal./Res.°C	-	√	-
		DO.°C	-	-	√
pH	**Measurement range**	(-2.00~20.00)pH	√	-	-
	Resolution	0.1/0.01	√	-	-
	Accuracy	±0.01pH ±one digit	√	-	-
	Calibration points	1, 2, -3pts automatic	√	-	-
	ATC range	(-9.9-130.0)°C/(14.18-266.0)°F	√	-	-
ORP	**Measurement range**	(-1999.9~+1999.9)mV	√	-	-
	Resolution	1	√	-	-
	Accuracy	±0.1%F.S ±one digit	√	-	-
Conductivity	**Measurement range**	0~200.0mS/cm, Auto-ranging： 0~19.99μS/cm;20.0~199.9μS/cm;200~1999μS/cm; 2.00~19.99mS/cm; 20.00~199.9mS/cm; TDS:0~100.0g/L Resistivity:5.00Ω·cm~100.0MΩ·cm Salinity:0~100ppt	-	√	-
	Calibration points	one point	-	√	-
	Resolution	0.001	-	√	-
	ATC range	(0.0~50.0)°C/(32.0~122.0)°F	-	√	-
	Accuracy	±1.0% F.S ±one digit	-	√	-
DO	**Measurement range**	(0.00~20.00)mg/L	-	-	√
	Accuracy	±0.30 mg/L	-	-	√
	DO saturation	(0.0~200.0)%	-	-	√
	Automatic barometri pressure compensation	(0~200.0)kPa	-	-	√
	Automatic temperature compensation	(0.0~50.0)°C/(32.0~122.0)°F	-	-	√
	Manual salinity compensation	0-45ppt	-	-	√
Temperature	**Measurement range**	(-9.9~130.0)°C/(14.18~266.0)°F	√	√	√
	Accuracy	±0.2°C	√	√	√
Others	**Data export**	Flash disk/Printer	√	√	√
	Power supply	DC12V	√	√	√
Test kit		Meter	√	√	√
		Plastic ATC pH probe D201T	√	-	-
		Glass ATC conductivity probe DCON201TG,K=1.0	-	√	-
		Polarographic DO probe DDO01-2M,cable length:2m	-	-	√
		pH buffer solution: pH4.00/7.00/10.01, 50mL,one for each	√	-	-
		Standard Cond solution:84μS/1413μS/12.88mS/cm,50mL,one for each	-	√	-
		Membrane refill solution:DDOS-01,30mL,1btl	-	-	√
		Membrane sensor caps DDOSC:3pcs/group,1pkg	-	-	√
		Power adaptor:1pc	√	√	√
		Flexible probe holder DF01:1pc	√	√	√

Specifications-Multiparameter

Model			DPC100	DPD100	DCD100	DPCD100
Parameter		pH/mV.°C	√	√	-	√
		mV(ORP).°C	√	√	-	√
		Cond/TDS/Sal./Res.°C	√	-	√	√
		DO.°C	-	√	√	√
pH	Measurement range	(-2.00~20.00)pH	√	√	-	√
	Resolution	0.1/0.01	√	√	-	√
	Accuracy	±0.01pH ±one digit	√	√	-	√
	Calibration points	1, 2, -3pts automatic	√	√	-	√
	ATC range	(-9.9-130.0)°C/(14.18-266.0)°F	√	√	-	√
ORP	Measurement range	(-1999.9~+1999.9)mV	√	√	-	√
	Resolution	1	√	√	-	√
	Accuracy	±0.1%F.S ±one digit	√	√	-	√
Conductivity	Measurement range	0~200.0mS/cm, Auto~ranging: 0~19.99μS/cm; 20.0~199.9μS/cm; 200~1999μS/cm; 2.00~19.99mS/cm; 20.00~199.9mS/cm; TDS: 0~100.0g/L Resistivity:5.00Ω·cm-100.0MΩ·cm Salinity:0~100ppt	√	-	√	√
	Calibration points	one point	√	-	√	√
	Resolution	0.001	√	-	√	√
	ATC range	(0.0~50.0)°C/(32.0~122.0)°F	√	-	√	√
	Accuracy	±1.0% F.S ±one digit	√	-	√	√
DO	Measurement range	(0.00~20.00)mg/L	-	√	√	√
	Accuracy	±0.30 mg/L	-	√	√	√
	DO saturation	(0.0~200.0)%	-	√	√	√
	Automatic barometri pressure compensation	(0~200.0)kPa	-	√	√	√
	Automatic temperature compensation	(0.0~50.0)°C/(32.0~122.0)°F	-	√	√	√
	Manual salinity compensation	0-45ppt	-	√	√	√
Temperature	Measurement range	(-9.9~130.0)°C/(14.18~266.0)°F	√	√	√	√
	Accuracy	±0.2°C	√	√	√	√
Others	Data export	Flash disk/Printer	√	√	√	√
	Power supply	DC12V	√	√	√	√
Test kit		Meter	√	√	√	√
		Plastic ATC pH probe D201T	√	√	-	√
		Glass ATC conductivity probe DCON201TG,K=1.0	√	-	√	√
		Polarographic DO probe DDO01-2M,cable length:2m	-	√	√	√
		pH buffer solution:pH4.00/7.00/10.01,50mL,one for each	√	√	-	√
		Standard Cond solution:84μS/1413μS/12.88mS/cm, 50mL,one for each	√	-	√	√
		Membrane refill solution:DDOS-01,30mL,1btl	-	√	√	√
		Membrane sensor caps DDOSC:3pcs/group,1pkg	-	√	√	√
		Power adaptor:1pc	√	√	√	√
		Flexible probe holder DF01:1pc	√	√	√	√

BENCHTOP - Touch screen

Features

- Display pH/Cond/DO simultaneously (DPCD100T)
- High-res 7" touch screen, easy for operation
- User-friendly operating navigation by graphics and texts
- Intelligent functions such as automatic calibration, automatic temperature compensation, timing data logger, parameter setup, etc.
- 1 to 5-point calibration for pH mode
- Data storage: 500 readings/parameter
- Data export: Flash disk/PC/Wireless printer (the printer is optional)
- Equipped with a flexible probe holder, magnetic stirrer and standard calibration solution
- Protection class: IP54

Specifications- Single parameter

Model			DPH100T	DEC100T	DDO100T
Parameter		pH/mV.°C	✓	-	-
		mV(ORP).°C	✓	-	-
		Cond/TDS/Sal./Res.°C	-	✓	-
		DO.°C	-	-	✓
pH	Measurement range	(-2.000~20.000)pH	✓	-	-
	Resolution	0.01/0.001	✓	-	-
	Accuracy	±0.002pH ±one digit	✓	-	-
	Calibration points	1, 2, -5 pts automatic	✓	-	-
	ATC range	(-10.0-135.0)°C/(14.0-275.0)°F	✓	-	-
ORP	Measurement range	(-1999.9~+1999.9) mV	✓	-	-
	Resolution	0.1	✓	-	-
	Accuracy	±0.03%F.S ±one digit	✓	-	-
Conductivity	Measurement range	0~2000.0mS/cm, Auto-ranging: 0~19.999µS/cm;20.0~199.9µS/cm;200~1999µS/cm; 2.00~19.99mS/cm; 20.00-199.9mS/cm; 200.0~2000mS/cm(K=10) Match test range: 0~200mS/cm TDS:0~1000.0g/L(TDS factor adjustable) Resistivity:5.000Ω·cm~100.0MΩ·cm Salinity: 0~100ppt	-	✓	-
	Calibration points	one point	-	✓	-
	Resolution	0.001	-	✓	-
	ATC range	(-10.0-135.0)°C/(14.0-275.0)°F	-	✓	-
	Accuracy	±0.5 % F.S ±one digit	-	✓	-
DO	Measurement range	(0.00~20.00)mg/L	-	-	✓
	Accuracy	±0.30 mg/L	-	-	✓
	DO saturation	(0.0~200.0)%	-	-	✓
	Automatic barometri pressure compensation	(0~200.0)kPa	-	-	✓
	Automatic temperature compensation	(0.0~50.0)°C/(32.0~122.0)°F	-	-	✓
	Manual salinity compensation	0~45ppt	-	-	✓
Temperature	Measurement range	(-10.0~135.0)°C/(14.0~275.0)°F	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓
Others	Data export	Flash disk/PC/Printer	✓	✓	✓
	Power supply	DC12V	✓	✓	✓
Test kit		Meter	✓	✓	✓
		Glass refillable combination pH probe D201G	✓	-	-
		Stainless-steel temperature probe DTEMP-01	✓	-	-
		Glass ATC conductivity probe DCON201TG,K=1.0	-	✓	-
		Polarographic DO probe DDO01-2M	-	-	✓
		pH buffer solution:pH4.00/7.00/10.01, 50mL,one for each	✓	-	-
		Standard Cond solution:84µS/1413µS/12.88mS/cm,50mL,one for each	-	✓	-
		Membrane refill solution:DDOS-01, 30mL,1btl	-	-	✓
		Membrane sensor caps DDOSC:3pcs/group,1pkg	-	-	✓
		PC cable:1pc	✓	✓	✓
		Flexible probe holder DF01:1pc	✓	✓	✓
		Magnetic stirrer:1pc	✓	✓	✓
		Power adaptor	✓	✓	✓

Specifications-Multiparameter

Model			DPC100T	DPD100T	DCD100T	DPCD100T
Parameter		pH/mV.°C	√	√	-	√
		mV(ORP).°C	√	√	-	√
		Cond/TDS/Sal./Res.°C	√	-	√	√
		DO.°C	-	√	√	√
pH	Measurement range	(-2.000~20.000)pH	√	√	-	√
	Resolution	0.01/0.001	√	√	-	√
	Accuracy	±0.002pH ±one digit	√	√	-	√
	Calibration points	1, 2, -5 pts automatic	√	√	-	√
	ATC range	(-10°C-135.0°C)/(14.0-275.0)°F	√	√	-	√
ORP	Measurement range	(-1999.9~+1999.9)mV	√	√	-	√
	Resolution	0.1	√	√	-	√
	Accuracy	±0.03%F.S ±one digit	√	√	-	√
Conductivity	**Measurement range**	0~2000.0mS/cm,Auto-ranging： 0~19.999μS/cm;20.0~199.9μS/cm;200~1999μS/cm; 2.00~19.99mS/cm;20.00~199.9mS/cm; 200.0~2000mS/cm(K=10) Match test range:0~200mS/cm TDS:0~1000.0g/L(TDS factor adjustable) Resistivity:5.000Ω · cm~100.0MΩ · cm Salinity:0~100ppt	√	-	√	√
	Calibration points	one point	√	-	√	√
	Resolution	0.001	√	-	√	√
	ATC range	(0.0~50.0)°C/(32.0~122.0)°F	√	-	√	√
	Accuracy	±0.5 % F.S ±one digit	√	-	√	√
DO	Measurement range	(0.00~20.00)mg/L	-	√	√	√
	Accuracy	±0.30 mg/L	-	√	√	√
	DO saturation	(0.0~200.0)%	-	√	√	√
	Automatic barometri pressure compensation	(0~200.0)kPa	-	√	√	√
	Automatic temperature compensation	(0.0~50.0)°C/(32.0~122.0)°F	-	√	√	√
	Manual salinity compensation	0~45ppt	-	√	√	√
Temperature	Measurement range	(-10°C~135.0°C)/(14.0~275.0)°F	√	√	√	√
	Accuracy	±0.2°C	√	√	√	√
Others	Data export	Flash disk/PC/Printer	√	√	√	√
	Power supply	DC12V	√	√	√	√
Test kit		Meter	√	√	√	√
		Glass refillable combination pH probe D201G	√	√	-	√
		Stainless-steel temperature probe DTEMP-01	√	√	-	√
		Glass ATC conductivity probe DCON201TG,K=1.0	√	-	√	√
		Polarographic DO probe DDO01-2M	-	√	√	√
		pH buffer solution:pH4.00/7.00/10.01,50mL,one for each	√	√	-	√
		Standard Cond solution:84μS/1413μS/12.88mS/cm,50mL,one for each	√	-	√	√
		Membrane refill solution:DDOS-01,30mL,1btl	-	√	√	√
		Membrane sensor caps DDOSC:3pcs/group,1pkg	-	√	√	√
		PC cable:1pc	√	√	√	√
		Flexible probe holder DF01:1pc	√	√	√	√
		Magnetic stirrer:1pc	√	√	√	√
		Power adaptor	√	√	√	√

Our Development

DLAB is committed to delivering exceptional user experiences globally. The company has built an extensive sales network with representatives across China and major cities worldwide, ensuring prompt technical support and comprehensive after-sales services, demonstrating its dedication to customer satisfaction.

In 2022, DLAB opened its first overseas factory in Johor Bahru, Malaysia. This facility enhances product supply and service efficiency for Asia-Pacific customers while boosting international competitiveness. The factory follows the same meticulous management and stringent quality control as the Chinese facility, reflecting DLAB's pursuit of excellence. Overseas production bases enable the company to adapt to global market demands while maintaining high manufacturing and quality standards.

DLAB also operates branches in the United States and Turkey, strengthening its presence in North America and Europe. Looking ahead, the company plans to expand into more countries and regions, growing its global footprint and advancing its vision of serving customers worldwide.

Our Vision and Mission

Vision: To become a Leading Manufacturer of General Lab Equipment.

Mission: Excellence in Manufacturing to Serve Science.

Development: Our products are sold in more than 120 countries and regions worldwide.

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