

2026/7

CATALOG



Company Profile

SCILOGEX is a brand of innovative and unique laboratory products for all areas of research. Every product has been carefully selected for quality and priced to meet your budget so your lab can operate at its highest level of efficiency. Our goal is to provide great products, great prices and great service.

SCILOGEX Liquid Handling Products and Bench-top Instruments are available through our authorized distributor network. To locate a distributor in your area, please contact us. Our knowledgeable staff will be delighted to provide you with pre-purchase support and product recommendations.

Our Liquid Handling Products come with a 1 year warranty and our Bench-top Instruments come with a 2 year warranty and are manufactured in an ISO9001 facility and cTUVus certified for UL & CSA so you can purchase in confidence.

Please visit our New Products page to keep up to date with new and exciting products and our Promotions page for the latest great deals we are offer.

We thank you for your continued support and we look forward to bringing you new and exciting products at VERY competitive prices.



Contents

Liquid Handling

4

- Electronic Pipettes / 5
- Mechanical Pipettes / 9
- Pipette Fillers / 15
- Repeat Pipettors / 18
- Bottle-Top Dispensers & Burettes / 20
- Vacuum Aspiration Systems / 32



Thermal Control

28

- Dry Baths / Thermal Mixers / 37

Distilling & Mixing

41

- Rotary Evaporators / 42
- Heated Water Baths / 49
- Hotplates / Stirrers / 50
- Overhead Stirrers / 74
- Vortex Mixers / 80
- Microplate Mixers / 85
- Tube Rotators / 64 - 66
- Tube Rollers / 89
- Shakers & Rockers / 90
- Homogenizers / 97



Centrifuges Spectrophotometers Cryogenics

99

- Mini Centrifuges / 100
- High Speed Microcentrifuges / 103
- Hematocrit Centrifuges / 103
- Low-speed Centrifuges / 111
- Multi-Purpose Centrifuge / 114
- Spectrophotometers / 117
- Cryogenic Dewar Flasks / 127
- Dry-Ice Maker / 32

SCILOGEX 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.

SCILOGEX 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



iPette

Multi-functional single-channel Electronic Pipette

SCIOLOGEX multi-functional high performance 8-channel electronic pipettes o 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.



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

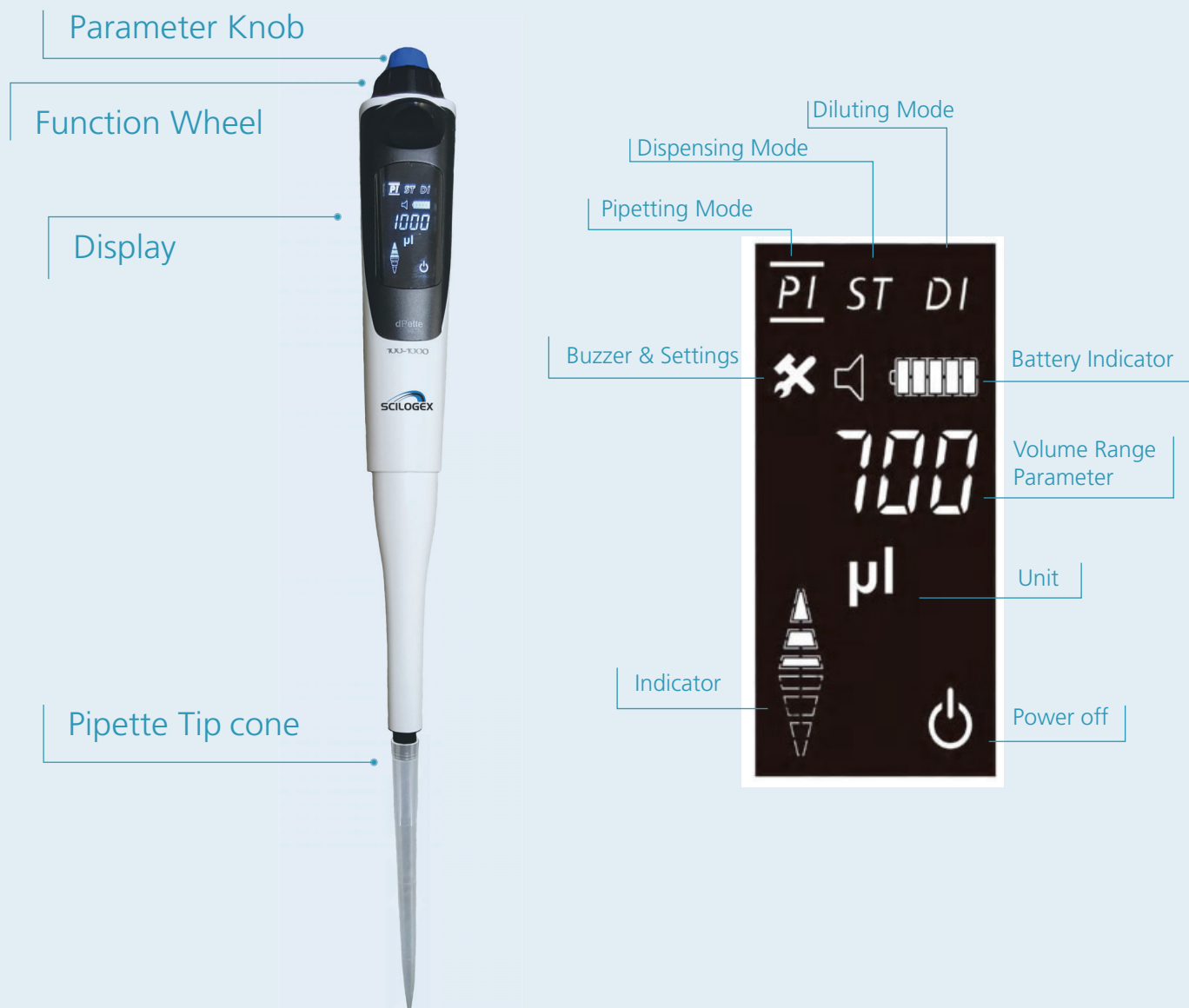
Specifications

Channels	Volume Range	Increment	Test Volume	accuracy error		precision error	
	μL	μL	μL	μL	%	μL	%
1	0.5–10	0.01	10	± 0.10	± 1.00	± 0.05	± 0.50
			1	± 0.035	± 3.50	± 0.03	± 3.00
1	5–50	0.1	50	± 0.40	± 0.80	± 0.15	± 0.30
			5	± 0.15	± 3.00	± 0.125	± 2.50
1	30–300	1	300	± 1.80	± 0.60	± 0.60	± 0.20
			30	± 0.09	± 3.00	± 0.21	± 0.70
1	100–1000	5	1000	± 6.00	± 0.60	± 2.00	± 0.20
			100	± 3.00	± 3.00	± 0.60	± 0.60

iPette

Multi-functional single-channel Electronic Pipette

SCILOGEX multi-functional high performance 8-channel electronic pipettes o 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.



iPette

Multi-functional 8-channel Electronic Pipette

SCIOLOGEX multi-functional high performance 8-channel electronic pipettes o 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.



- **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 dPetite+

1

Long press the Parameter Knob for 2 seconds to Start

2

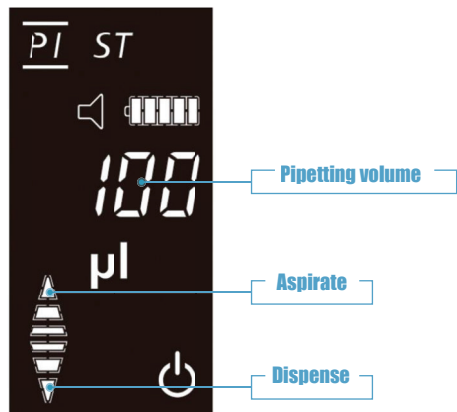
Quickly turn the Function Wheel to Activate, Rotate to Switch Pipetting, Continuous Dispensing, and other Function Settings

3

After quickly turning the Parameter Knob to Unlock, Turn to Adjust the Volume, Press to Pipette, Long press to Mix

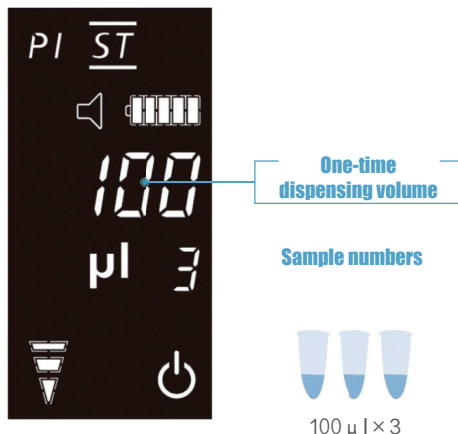
Pipetting function

Parameter Knob press → Pipetting,
Long press → Mixing



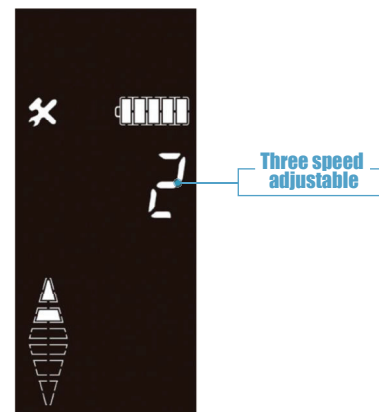
Dispensing function

Dispensing times = Pipette max volume /
Single sample volume



Other function

Pipetting speed adjustment
Key tone adjustment



Complimentary Pipette Holder

Supports dual charging mode



USB Charging

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



Contact Charging



Specifications

Channels	Volume Range	Increment	Test Volume	Accuracy error		Precision error	
	μL	μL	μL	μL	%	μL	%
8	0.5–10	0.01	10	± 2.00	± 0.20	± 1.0	± 0.1
			1	± 8.0	± 0.08	± 5.00	± 0.05
8	10–100	0.1	100	± 0.80	± 0.80	± 0.30	± 0.3
			10	± 3.00	± 0.3	± 2.00	± 0.2
8	30–300	1	300	± 0.60	± 1.80	± 0.3	± 0.9
			30	± 3.00	± 0.90	± 1.0	± 0.3

* SD=Standard Deviation * CV=Co-efficient of Variation

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

SuperPette

Fully Autoclavable Pipettors

The new SCIOGEX SuperPette fully autoclavable digital pipettors have an excellent ergonomic and ultralight design providing effortless, ergonomic, accurate and precise pipetting experience. In addition, the volume lock helps protect from accidental volume change. The clear digital display is centrally located, for left and right handed users. UV and chemical resistant.



Smooth, Low Force, Effortless Button

Smooth Knob Adjustment

Light and smooth volume adjustment

Ergonomic Design

Comfortable & Effortless, Precise & Accurate

Pull up the lock wheel to set the volume

One Key Volume Lock Setting

Push down the lock wheel to lock the volume

Volume Display Window

New centrally located volume display

Simple Disassembly

Easy to maintain and calibrate

Ultra-light ergonomic design

Light weight and light pipetting force with soft range adjustment and piston movement helps prevent pipetting fatigue.

Accurate pipetting

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

Complete sterilization

Fully autoclavable and excellent protection against chemicals & UV light.

With Filters

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

Volume Display Window

New centrally located volume display



SuperPette Fully Autoclavable Pipettors

Forward pipetting

Suitable for low-viscosity liquids, press the plunger to the first stop when aspirating, and press the button to the second stop when dispensing.

Reverse pipetting

Suitable for higher-viscosity liquids, easy to foam or micro samples, with higher pipetting accuracy. Press the plunger to the second stop when aspirating, and press the plunger to the first stop when dispensing.

Range selection

Choose the appropriate range according to the pipetting volume. 30% - 100% of the maximum range of the pipette is the suitable range.

Specifications

Single-channel Adjustable Volume Pipettes (9 models, covering 0.1µl~10ml.)						
Volume Range	Increment	Test Volume	Accuracy Error		Precision Error	
			%	µL	%	µL
0.1~2.5µL	0.002µL	2.5µL	1.4%	0.04	0.7%	0.02
		1.25µL	2.5%	0.03	1.5%	0.02
		0.25µL	12.0%	0.03	6.0%	0.02
0.5~10µL	0.01µL	10µL	1.0%	0.10	0.4%	0.04
		5µL	1.5%	0.08	0.8%	0.04
		1µL	2.5%	0.03	1.8%	0.02
2~20µL	0.02µL	20µL	1.0%	0.20	0.3%	0.06
		10µL	1.2%	0.12	0.6%	0.06
		2µL	5.0%	0.10	1.5%	0.03
10~100µL	0.1µL	100µL	0.8%	0.80	0.2%	0.20
		50µL	1.0%	0.50	0.3%	0.15
		10µL	3.0%	0.30	1.0%	0.10
20~200µL	0.2µL	200µL	0.6%	1.20	0.2%	0.40
		100µL	1.0%	1.00	0.3%	0.30
		20µL	2.5%	0.50	0.7%	0.14
30~300µL	2µL	1000µL	0.6%	1.80	0.2%	0.60
		500µL	1.0%	1.50	0.3%	0.45
		100µL	2.5%	0.75	0.7%	0.21
100~1000µL	1µL	1000µL	0.6%	6.00	0.2%	2.00
		500µL	1%	5.00	0.2%	1.00
		100µL	3%	3.00	0.6%	0.60
1000~5000µL	5µL	5000µL	0.6%	30.00	0.2%	10.00
		2500µL	0.6%	15.00	0.3%	7.50
		1000µL	1.2%	12.00	0.3%	3.00
2000~10000µL	10µL	10000µL	0.6%	60.00	0.2%	20.00
		5000µL	0.8%	40.00	0.2%	10.00
		2000µL	1.5%	30.00	0.3%	6.00

* For accurate and reliable pipette calibration SuperPette conforms to ISO 8655:2002 standards.



MicroPette Plus

121°C
FULLY
Autoclavable

Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- The pipettes cover the volume range from 0.1µL to 5mL
- Easy calibration and maintenance
- Manufactured from innovative materials
- Each MicroPette Plus supplied with an
- Individual calibration certificate according to ISO8655
- Online calibration is available



MicroPette plus multi-channel

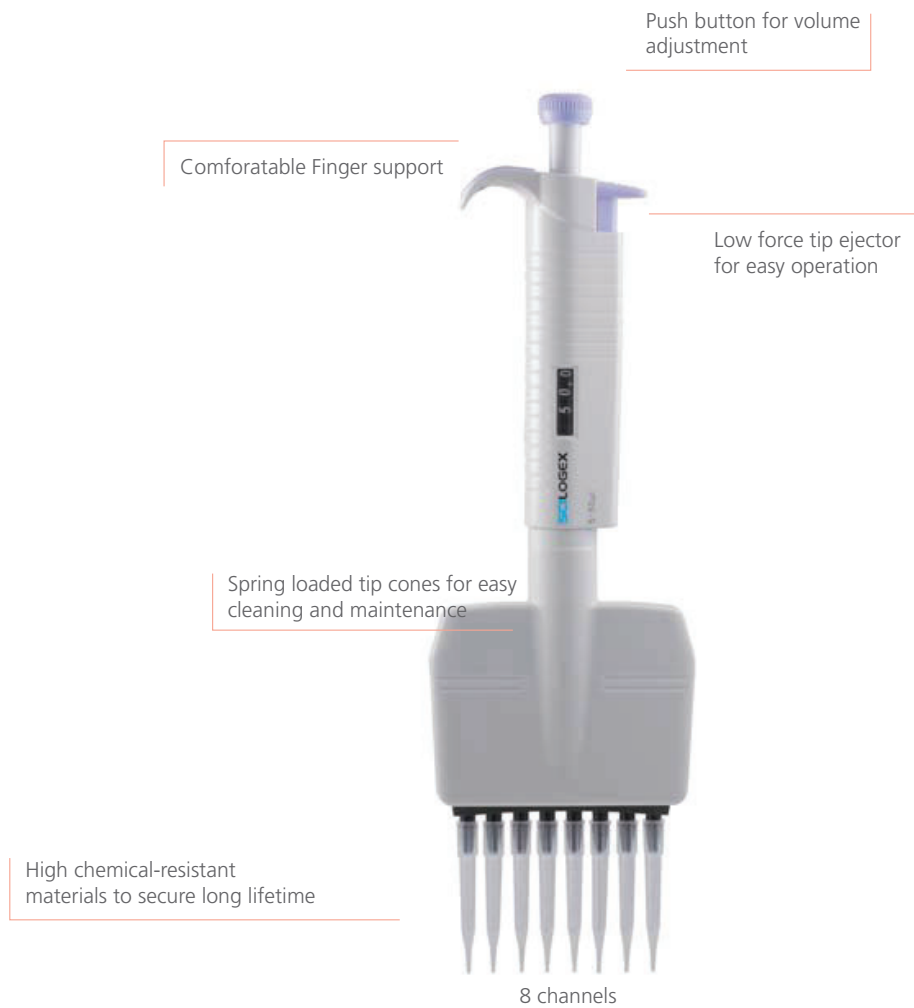
121°C
FULLY
Autoclavable

Features

- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly allow for easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands
- Online calibration is available



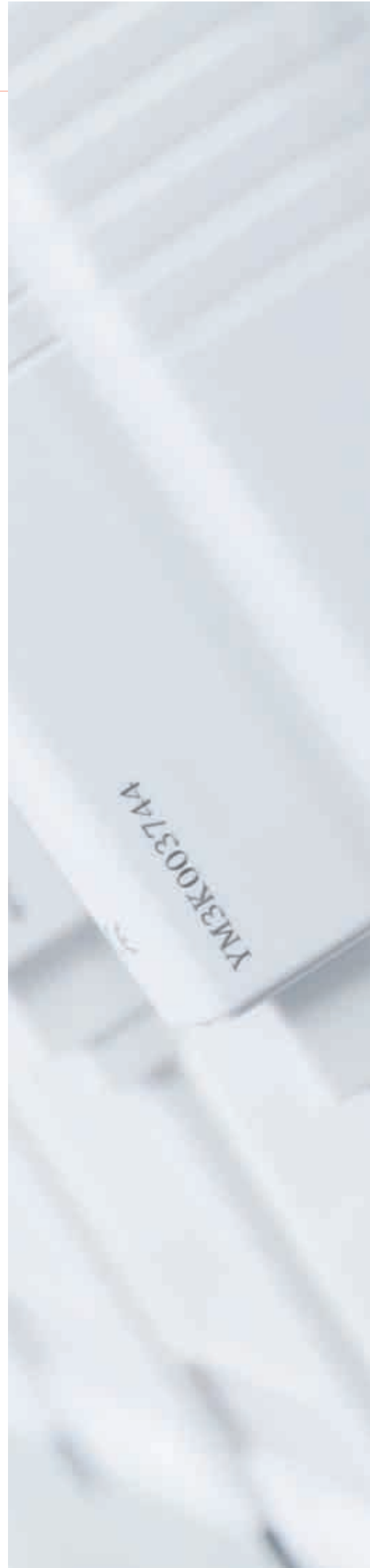
MicroPette Plus



Fully autoclavable

The MicroPette Plus pipettes are fully autoclavable, enable easy cleaning and reduce the risk of contamination. Steam autoclaving can be performed at 121°C, 1 bar for 20 minutes. After autoclaving, the pipette must be cooled down and left to dry for 12 hours before use.

It is recommended to check the performance of the pipette after each autoclaving. Greasing and sealing of the pipette piston after every 10th autoclaving will secure an enhanced function.



Mechanical Pipette Volume Selection

Specifications

This list is appropriate for MicroPette and MicroPette plus (Adjustable and Fixed volume)

Single-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.1-2.5µL	0.05µL	2.5µL	2.50%	0.0625	2.00%	0.05
		1.25µL	3.00%	0.0375	3.00%	0.0375
		0.25µL	12.00%	0.03	6.00%	0.015
0.5-10µL	0.1µL	10µL	1.00%	0.1	0.80%	0.08
		5µL	1.50%	0.075	1.50%	0.075
		1µL	2.50%	0.025	1.50%	0.015
2-20µL	0.5µL	20µL	0.90%	0.18	0.40%	0.08
		10µL	1.20%	0.12	1.00%	0.1
		2µL	3.00%	0.06	2.00%	0.04
5-50µL	0.5µL	50µL	0.60%	0.3	0.30%	0.15
		25µL	0.90%	0.225	0.60%	0.15
		5µL	2.00%	0.1	2.00%	0.1
10-100µL	1µL	100µL	0.80%	0.8	0.15%	0.15
		50µL	1.00%	0.5	0.40%	0.2
		10µL	3.00%	0.3	1.50%	0.15
20-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		20µL	3.00%	0.6	1.00%	0.2
50-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		50µL	1.00%	0.5	0.40%	0.2
100-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		100µL	2.00%	2	0.70%	0.7
200-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		200µL	0.90%	1.8	0.30%	0.6
1000-5000µL	50µL	5000µL	0.50%	25	0.15%	7.5
		2500µL	0.60%	15	0.30%	7.5
		1000µL	0.70%	7	0.30%	3
2-10mL	0.1mL	10mL	0.60%	60	0.20%	20
		5mL	1.20%	60	0.30%	15
		2mL	3.00%	60	0.60%	12

Mechanical Pipette Volume Selection

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
5µL	-	5µL	1.3%	0.065	1.2%	0.06
10µL	-	10µL	0.8%	0.08	0.8%	0.08
20µL	-	20µL	0.6%	0.12	0.5%	0.1
25µL	-	25µL	0.5%	0.125	0.3%	0.075
50µL	-	50µL	0.5%	0.25	0.3%	0.15
100µL	-	100µL	0.5%	0.5	0.3%	0.3
200µL	-	200µL	0.4%	0.8	0.2%	0.4
250µL	-	250µL	0.4%	1.0	0.2%	0.5
500µL	-	500µL	0.3%	1.5	0.2%	1.0
1000µL	-	1000µL	0.3%	3.0	0.2%	2.0
2000µL	-	2000µL	0.3%	6.0	0.15%	3.0
5000µL	-	5000µL	0.3%	15	0.15%	7.5

SCI-Fill

Motorized Pipette Filler

Features

- Compatible with most of the plastic and glass pipettes from 0.1 - 100mL
- Eight speeds of selection for aspiration and dispensing different liquids
- Large LED display showing low battery warning and speed settings
- Enables single-handed operation with minimum effort
- Light and ergonomic design providing easy usability
- High capacity Li-ion battery enable long runtime of operation
- Powerful pump fills a 25mL pipette in <5 seconds
- 0.45µm replaceable hydrophobic filter
- Rechargeable during use

Large LED display showing low battery warning and speed settings

Select the desired coarse speed by pressing the button +/-



Aspiration and dispensing operation buttons

Operating button for motor and gravity dispensing



Hydrophobic filter 0.45µm

Silicone adapter for 0.1-100mL



Specifications

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

Pipette Filler

SCI-Fill2

Motorized Pipette Filler

The SCI-Fill Motorized Pipette Filler has an excellent comfortable and ergonomic design suitable for almost all plastic or glass serological pipettes.

Features

- Enables single-handed operation with minimum effort
- Compatible with most of the plastic and glass pipettes from 0.1-100mL
- Easily adjustable speed control
- 0.45µm replaceable hydrophobic filter
- Stable and reliable performance, elegant appearance
- High capacity Li-ion battery enable long operation 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

Pipette Controllers & Pumps

SCI-Pet

Pipette Controller

Features

- Ease of use
- Precise pipetting control
- Robust and light weight
- Compatible with most of the plastic and glass pipettes from 0.1 -100mL
- 3µm replaceable hydrophobic filter
- Easy cleaning and maintenance



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

SCI-Pet-E

Pipette Pump

Features

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



3µm replaceable Hydrophobic filter

Silicone adapter for 0.1-100mL pipette tip, fully autoclavable



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.

Repeat Pipettor

Based on the principle of positive displacement, **SCI-Mate** Stepper is designed for trouble-free and reliable dispensing of liquids, especially for high viscosity, high density and high vapor pressure. The 48-step dispensing allows for enhanced accuracy and usability.

SCI-Mate Repeat Pipettor

Features

- Light and ergonomic solution provides easy usability
- Single-handed operation
- Volume range from 10 μ L to 5mL
- Up to 48 dispensing steps
- Maintenance free
- Equipped with durable tip
- insertion lever
- Fits seven sizes of disposable polypropylene syringes from 0.5mL to 50mL

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select settings control dispensing volume

By pushing the slide upwards, the syringe is filled

How to select dispensing volume

Find the required dispensing volume in the table
Use the adjusting wheel to set the required volume
Select and insert a suitable tip
Follow the maximum dispensing steps

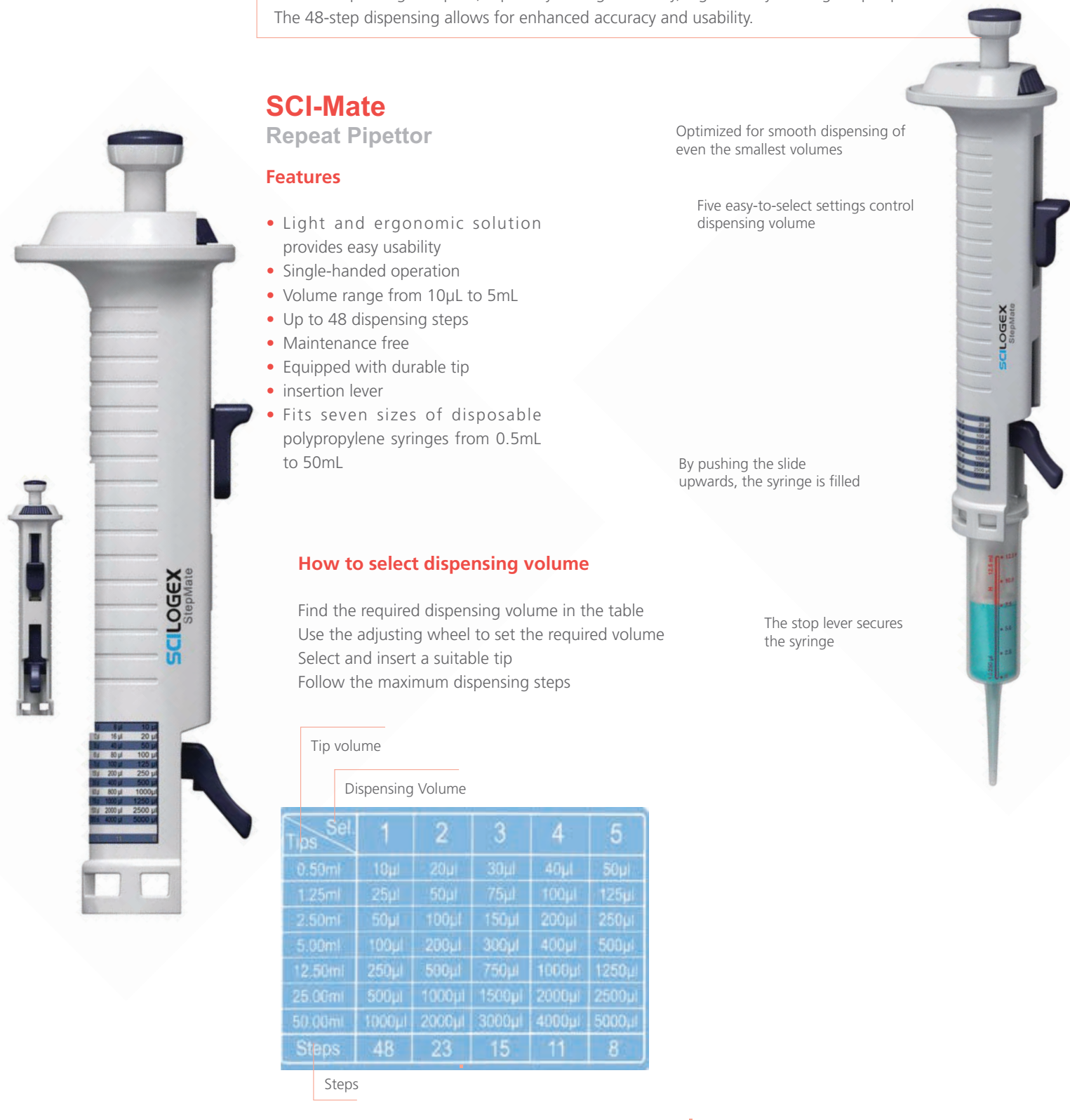
Tip volume

Dispensing Volume

Tips \ Sel	1	2	3	4	5
0.50ml	10 μ l	20 μ l	30 μ l	40 μ l	50 μ l
1.25ml	25 μ l	50 μ l	75 μ l	100 μ l	125 μ l
2.50ml	50 μ l	100 μ l	150 μ l	200 μ l	250 μ l
5.00ml	100 μ l	200 μ l	300 μ l	400 μ l	500 μ l
12.50ml	250 μ l	500 μ l	750 μ l	1000 μ l	1250 μ l
25.00ml	500 μ l	1000 μ l	1500 μ l	2000 μ l	2500 μ l
50.00ml	1000 μ l	2000 μ l	3000 μ l	4000 μ l	5000 μ l
Steps	48	23	15	11	8

Steps

The stop lever secures the syringe



SCIOGEX repeater pipette tips are particularly suitable for dispensing of fluids with high viscosity, high vapor pressure etc. Tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) 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.	Syringe volume (mL)	Sample volume (μL)					A %	P %	Description
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

SCI-Spence2

Bottle-Top Dispensers

The SCI-Spence2 is a variable volume bottle-top dispenser available in five fully adjustable sizes. All models are fitted reagent recovery and anti-drip caps.

This model features a seamless, smooth action glass piston with strong chemical resistance which is easily removed for cleaning.

Reagent recovery into bottle while priming prevents waste

Fast & accurate volume adjustment

Supplied with 6 adapters to fit most reagent bottles

Anti-drip screw-cap

Telescopic liquid inlet tube to accommodate most reagent bottles sizes

Features

- Excellent chemical resistance;
- Fully autoclavable at 121°C;
- Reagent recovery function reduces waste and prevents dripping when not in operation;
- Fast, reliable and reproducible volume locking mechanism;
- Easy to disassemble and clean, minimum maintenance;
- With 6 different adapters for reagent bottles of various sizes;
- For liquid with vapor pressure up to 500mbar, viscosity up to 500mm²/s, temperature up to 40°C, density up to 2.2g/cm³;
- Flexible filling tube adapts to reagent bottles of various sizes.

Specifications

Volume Range mL	Graduation mL	A≤±		CV≤	
		%	μL	%	μL
0.5-5	0.1	0.5	25	0.2	10
1.0-10	0.2	0.5	50	0.2	20
2.5-25	0.5	0.5	125	0.2	50
5.0-50	1.0	0.5	250	0.2	100
10~100	2.0	0.5	500	0.2	200

Accessories

Cat. No.	Description
17400135	S40, Adapter, 45/40mm
17400131	GL32, Adapter, 45/32mm
17400132	GL38, Adapter, 45/38mm
17400133	GL25, Adapter, 32/25mm
17400134	GL28, Adapter, 32/28mm
17400037	Reagent Bottle (Brown, 1L ,Optional)
17900158	Filling tube
17000802	Discharge tube

SCI-Spense Bottle-Top Dispensers

Easy-to-use volume adjustment

Smooth piston design provides effortless dispensing

Closure cap protects, against reagent contact and is easy to attach/detach, without taking gloves off.



6 Adapters allow fitting to standard reagent bottles

Filling tube adjusts easily for different size bottles



Features

- Excellent chemical resistance, components are made of PTFE, FEP, BSG, PP
- Fully autoclavable at 121°C
- Four ranges of bottle-top dispenser covering a volume range from 0.5mL to 50mL
- Easy for cleaning and maintenance
- The optional flexible discharge tube with safety handle permits fast and precise dispensing
- Vapor pressure max. 500mbar, viscosity max. 500mm²/s, temperature max. 40°C, density max. 2.2g/cm³
- DispenseMate is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

Specifications

Cat. No.	Volume Range mL	Graduation mL	A $\leq$ ±		CV $\leq$	
			%	μ L	%	μ L
7032100001	0.5-5	0.1	0.5	25	0.2	10
7032100002	1.0-10	0.2	0.5	50	0.2	20
7032100003	2.5-25	0.5	0.5	125	0.2	50
7032100004	5.0-50	1.0	0.5	250	0.2	100

Accessories

Cat. No.	Description
17100553	GL45, Adapter, 45mm
17000069	S40, Adapter, 45/40mm
17400131	GL32, Adapter, 45/32mm
17400132	GL38, Adapter, 45/38mm
17400133	GL25, Adapter, 32/25mm
17400134	GL28, Adapter, 32/28mm
17400037	Reagent Bottle (Brown, 1L, Optional)
17400021	Filling tube(m)
17100073	Discharge tube(m)



iFlow-Pro

Electronic Bottle-Top Dispenser in 10, 25 & 50 mL Capacities

Efficient & Smart · Precise Dispensing · Flexible & Versatile

This electronic bottle-top dispenser integrates multi-functionality, 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 CO₂ (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.

Liquid Handling

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	25mL	50mL
Working range	0.01 mL – 10 mL, max transfer volume 25 mL, min 10 μ L	0.02 mL – 25 mL, max transfer volume 25 mL, min 20 μ L	0.02 mL – 50 mL, max transfer volume 50 mL, min 20 μ L
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	μ L	%	μ L	%
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

iFlow

Electronic Bottle-Top Dispenser

Features

Motorized operation minimizes the grip force
Electronic control decreases the repetitive strain injury
Control panel prevents manual disturbance during operation
Two Dispensing modes, dispense and multi-dispense function options 10ml piston capacity
Ideal for small volume repeat dosing



Specifications

VolumeRange	0.1-99.9mL, Max piston volume is 10mL, resolution is 100µL
Volume Accuracy	Dispenser: R = 10mL ±30µL; CV = 10ml ±10µL Stepper: R = 1mL ±6µL; CV = 1ML ±9µL
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Contro Type	External control

iTrite-Pro Electronic Burette

36/

Liquid Handling



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 10 μ L 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	Reagent bottle base holder



Refill Support Base

Part No.	Function
17001681	Liquid refill base assembly



Liquid Refill Funnel

Part No.	Function
17001680	Liquid refill base assembly



Liquid Refill Base

Part No.	Function
17001679	Liquid refill base assembly



Refill Funnel

Part No.	Function
17900433	Refill funnel



pH meter

Part No.	Function
17900519	pH meter



pH meter Electrode Holder

Part No.	Function
18901164	Bluetooth printer



Color sensor

Part No.	Function
17900541	Color sensor



Can be refilled
at any time



Convenient replacement of
standard reagents



PC software provided free of charge

Specification

	10mL	25mL	50mL
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 mL	systematic error R		variation coefficient CV	
		%	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

iTrite

Electronic Burette

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



Features

- High quality motor providing excellent precision and accuracy
- Electronic control decreases the repetitive strain injury
- Remote control panel prevents manual disturbance during operation
- Built-in magnetic stirrer
- Meniscus free readings

Specifications

Volume Range	0.01mL-99.99mL, Max piston lift is 10mL, resolution is 10µL
Volume Accuracy	R=0.2% CV=0.07%
Velocity	16 stages
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Control Type	External control, including the stirrer and the burette program

SCI-Vac

Vacuum-Controlled Aspiration System

4L 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

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.



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
Aspirating speed	15L/min (air)
Flow rate [liquid]	17mL/s
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 tip detrusion adapter 200μL tip
H	tip detrusion adapter 1mL tip
I	SafeVac Handle bracket



SCI-Vac-E

Economical Vacuum Aspirator

2L 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

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
Aspirating speed	15L/min(air)
Flow rate [liquid]	17mL/s
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



Hanging handles
on both sides

Vacuum level indicator light

SCIIVac1

Compact Bench-top Vacuum Aspiration System

The 1L bench-top Vacuum Aspiration System is equipped with rechargeable batteries especially developed for the rapid processing of small volumes of liquid. Wide range of applications can be easily realized by simple operation with one-button control.



- Supernatants after centrifugation steps to collect sediment
- Removal of culture media of cell culture
- Removal of waste liquid
- Reagent suction filtration

Features

● Portable and Space Saving

Due to its small size and external vacuum source or power supply, it can be relocated wherever needed, and fits on every bench.

● With rechargeable battery, it can work independently without external power supply or with power supply

Can work continuously for 5h after a full charge.

● Liquid aspiration is fast, the operation process is safe and reliable

The aspirating speed is 1.6 L/min; the hydrophobic filter can protect the equipment from contamination.

● Dual functions of aspiration and filtration

Standard 1L collection bottle (optional 500ml collection bottle) and suction filter bottle can be autoclaved.

Specifications

Maximum vacuum	600mbar
Aspirating speed	1.6 L/min
Bottle volume	Standard 1L, Optional 500ml, suction filter bottle
Adapter	1ml Tip detrusion adapter (Standard) , 8 channel needle(Optional)
Motor type	Brushless Motor
Power supply	110V-220V / DC 12V, 1.0A
Battery capacity	lithium battery 2500mA
Noise Level	53dB
Dimension[W×D×H]	127×144×244mm
Weight	3 lbs

Thermal Control



Dry Bath

SCI120-S

Dry bath

Features

- A wide range of temperature control up to 120°C
- Timer function support is available
- Various types of optional blocks are available
- Overheating protection
- Lid for protection and heat preservation



Specifications

	SCI120-S
Functions	Heating
Temperature range	Room temp.-120°C
Temperature control accuracy	± 0.5°C
Temperature uniformity	± 0.5°C
Max. heating rate	5.5°C/min
Timer	0min-99h59min
Screen	LED
Overheating protection	140°C
Adapter block material	aluminum
Voltage, Frequency	100-120V/220-240V,50Hz/60Hz
Power	160W
Dimension[WxDxH]	175 x 290 x 85mm
Weight	3kg

Cat.No.	Block types	Capacity	Diameter Depth
18900218		0.2mLx54	6.4mm 15mm
18900219		0.5mLx40	8.2mm 26.4mm
18900253 (1.5mL) 18900220 (2mL)		1.5mLx40 2mLx40	11mm 34.7mm
18900221		5/15mLx28	17mm 48mm
18900222		50mLx8	29.8mm 48mm
18900224		0.2mL+0.5mL+1.5mL 18+18+18	-
18900223		96 or 384 well plate	-



Adapter block selection



Overheating protection



Timer



LED display

Dry Baths



SCI-100MiniHCL SCI-100MiniHC SCI-100MinH

Dry Bath

Features:

- Lightweight
- LCD displays temperature and time.
- Rapid calibration support
- Overheating protection.
- Optional blocks with different capacities are available.
- Safe and stable.
- USB interface to save the data
- Mini HCL100 with hot lid to preserve the generated heat.

The SCILOGEX Mini Dry baths are portable and compact and useful for rapid and uniform heating of biological samples, in applications like preservation, denaturation of nucleic acids and proteins and many other applications.

Cat.NO.	Block types	Capacity	Diameter x depth
18900414		0.2mlx40	6.4x20 mm
18900415		0.5mlx24	8.2x28.4mm
18900416		1.5mLx15	11.2x31mm
18900428		2mlx15	11x31mm
18900417		5mLx6	17x31mm
18900426		15mlx4	16.4x45mm
18900427		50mlx2	29x45mm

Specifications

	SCI-100MiniHCL	SCI-100MiniHC	SCI-100MiniH0
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
No. of programs in memory	9(2steps for each)	9(2steps for each)	9(2steps for each)
Rapid calibration	Support	Support	Support
USB interface	Support	Support	Support
Error code reminder	Support	Support	Support
External dimension [mm]	110x162x140	110x162x140	110x162x140
Overall weight [kg]	≤1	≤1	≤1
Power supply	DC12V,100-240V, 50/60Hz	DC12V,100-240V, 50/60Hz	DC12V,100-240V, 50/60Hz
Power[w]	60	60	60
Operating temperature[°C]	+10-40	+10-40	+10-40
Operating humidity [% RH]	≤80	≤80	≤80

Thermal Mixers

SCI-110HC-Pro

Dry bath with cooling

Features

- Precise temperature control for heating and cooling
- Flexible adapter selection
- Programmable
- Compatible with various tubes
- Quick interchange of blocks with magnet adhesion technology and without any tools
- Block equipped with a lid for heat preservation



Excellent temperature accuracy



Programmable



Adapter self recognition



Cat.No.	Blocks	Speed	Capacity	Diameter x Depth
18900238		1500rpm	24x0.5mL	8.1x26mm
18900237		1500rpm	24x1.5mL	10.9x30.8mm
18900239		1500rpm	24x2mL	10.9x30.8mm
18900240		1500rpm	8x5mL	13.6x42mm
18900241		800rpm	8x15mL	6.5x80mm
18900242		600rpm	4x50mL	29.6x80mm
18900244		1500rpm	well plate	-
18900243		1500rpm	0.2mLx96 PCR plate	-

Specifications

Functions	SCI-110HC-Pro
Temperature range	Heating & cooling
Temperature control accuracy[@20-45°C]	Heating: room temp. - 110°C
Temperature uniformity[@20-45°C]	Cooling: room temp. - below room temp. 25°C
Max. heating rate	± 0.5°C
Max. cooling rate	Max ± 0.5°C
Screen	5.5°C/min
Program	2.5°C/min (100°C-room temp.)
Overheating protection	0.5°C/min (below room temp.)
Adapter block material	TFT
Voltage, Frequency	9
Power	150°C
Dimension[WxDxH] (without the heating block)	aluminum
Weight	100-240V,50/60Hz
	200W
	200x235x120mm
	7.3kg

The Thermo Mix series allow for precise and efficient heating and mixing, as well as excellent temperature accuracy and uniformity, offering a wide range of applications, such as gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, etc.

SCI-100HCM-Pro

Thermal mixer

SCI-100HM-Pro

Thermal mixer with heating

Features

- Excellent mixing result
- Stable and wide range of speed adjustment
- Precise temperature control for heating and cooling
- Flexible adapter selection
- Programmable
- Compatible with various tubes
- Quick interchange of blocks with magnet adhesion technology and without any tools
- Block equipped with a lid for heat preservation



Blocks self recognition

Specifications

	SCI-100HCM-Pro	SCI-100HM-Pro
Functions	Heating, cooling & mixing	Heating & mixing
Temperature range	Heating: room temp. - 100°C Cooling: room temp. - below room temp. 15°C	Heating: room temp. - 100 °C
Temperature control accuracy[@ 20–45°C]	± 0.5°C	± 0.5°C
Temperature uniformity[@ 20–45°C]	Max. ± 0.5°C	Max. 0.5 °C
Max. heating rate	5.5°C/min	5.5°C/min
Max. cooling rate	5°C/min(100°C-room temp.) 0.5°C/min(below room temp.)	-
Mixing frequency	200-1500rpm	200-1500rpm
Mixing orbit	3mm	3mm
Screen	TFT	TFT
Program	9	9
Overheating protection	150°C	150°C
Adapter block material	aluminum	aluminum
Voltage, Frequency	100–240V, 50Hz/60Hz	100-240V, 50Hz/60Hz
Power	200W	200W
Dimension[WxDxH] (without the heating block)	200×235×120mm	200×235×120mm
Weight	7.3kg	7.3kg

Distilling & Mixing



SCI20L-PRO Rotary Evaporator

20L capacity

The SCI20L-Pro is ideal for continuous distillation of many volatile solvents under reduced pressure. It offers an excellent distilling solution in a wide range of applications.



Features:

- Large LCD digital display with heating temperature, rotation speed, clockwise, anti-clockwise and timer;
- Simple automatic motorized lift (stroke 180mm), smooth and silent;
- Water/oil heating bath with wide temperature range from room temperature range to max. 180°C;
- Speed range from 10 to 150rpm, and interval operation in clockwise and anti-clockwise directions for drying process;
- Double-layer high-efficiency condensing tube with large condensation area and strong evaporation capacity, ensuring efficient sample recovery;
- Patented PTFE double sealing ring with excellent sealing performance.
- A switching valve for continuous collection without compromising the system vacuum and solvent distillation.



Large LCD display



Overheating protection



Chemical resistance

Rotary Evaporator



Double-layer high-efficiency condenser

large condensation area and strong evaporation capacity, ensuring efficient sample recovery.



Switching valve design

A switching 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;
- The heating bath has special heat insulation structure design, so that the surface temperature is far lower than the temperature in the bath, to help prevent accidental burns.

Specifications

SCI20L-Pro		
performance	Temperature range	Room temp. ~180°C (both water and oil)
	Control Accuracy	Water: $\pm 1^{\circ}\text{C}$ Oil: $\pm 3^{\circ}\text{C}$
	Rotation Speed	10~150rpm
	Evaporation capacity	Max.4.0L/h (water vapor volume)
function	Ultimate vacuum	Less 2.6hpa
	Temperature control method	Micro processor PID control
	Display	LCD (temperature/speed/clockwise and Anti-clockwise/time)
	Stroke Displacement	Automatic 180mm
constitute	Safety features	Motor over-current protection, Residual Current Device, lifting overload protection, Boil-dry protection, over-temperature protection
	Sample flask	Round flask 20L
	Receiving flask	Round flask 10L with drain valve
	Condenser	Two-section vertical triple serpentine condenser, cooling surface 1.2m ²
Specification	Heating bath size	$\phi 450 \times 240\text{mm}$
	Takeover caliber	Cooling/suction nozzle outer diameter 16mm, vacuum pump nozzle outer diameter 16mm
Dimension[D×W×H]		1160mm×600mm×1860mm
Power supply		220V/4600W/50/60Hz 380V/6000W/50/60Hz

SCI100-Pro

Digital Rotary Evaporator



LCD Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It offers an excellent distilling solution in a wide range of applications.

Features:

- Digital 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 temp. to 180°C)
- Overheating protection temperature at 220°C
- Speed range from 20 to 280rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Patented condenser (cooling surface 1700cm²) with excellent cooling effect
- Ejection mechanism ensures easy removal of evaporating flask
- Patented double spring sealing ring which is made of PTFE provides an excellent sealing performance
- Remote function provides PC control and data transmission



Large LCD display



USB connector



Chemical resistance



Overheating protection



Compatible with all range of glassware

Specifications

	SCI100-Pro
Motor Type	Brushless DC motor
Speed Range	20-280rpm
Display	LCD(speed,temperature, time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	±1°C
Heating Power	1300W
Stroke Displacement	automatic 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 50/60 Hz
Power	1400 W

Rotary Evaporator

The SCIOGEX SCI100-S Digital Rotary Evaporator is an excellent choice for evaporation, distillation and separation of chemicals. It can be used as a multifunctional system in combination with vacuum pump, vacuum controller and circulating refrigerators to provide excellent distillation solutions in many laboratory applications.

Features:

- 5L heating bath with a wide temperature range (room temp.to180°C), independent temperature control, make it can be used separately. Water/oil heating mode can be changed only through a switch.
- Manual lift combined with auxiliary lift for precise positioning of the glassware.
- PID control ensures high temperature accuracy at $\pm 1^\circ\text{C}$ (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.
- Patented condenser (cooling surface 1200/1700cm² for selection), double helix condensing tube + center circular arc design to speed up the flow rate of liquid with excellent cooling effect.
- Ejection mechanism ensures easy exchange of evaporating flask
- Adjustable immersion angle
- Patented double spring sealing ring which is made of PTFE provides an excellent sealing performance
- Remote function provides PC control and data transmission.
- Compatible with the entire range of RE100-Pro glassware.



USB connector



Chemical resistance

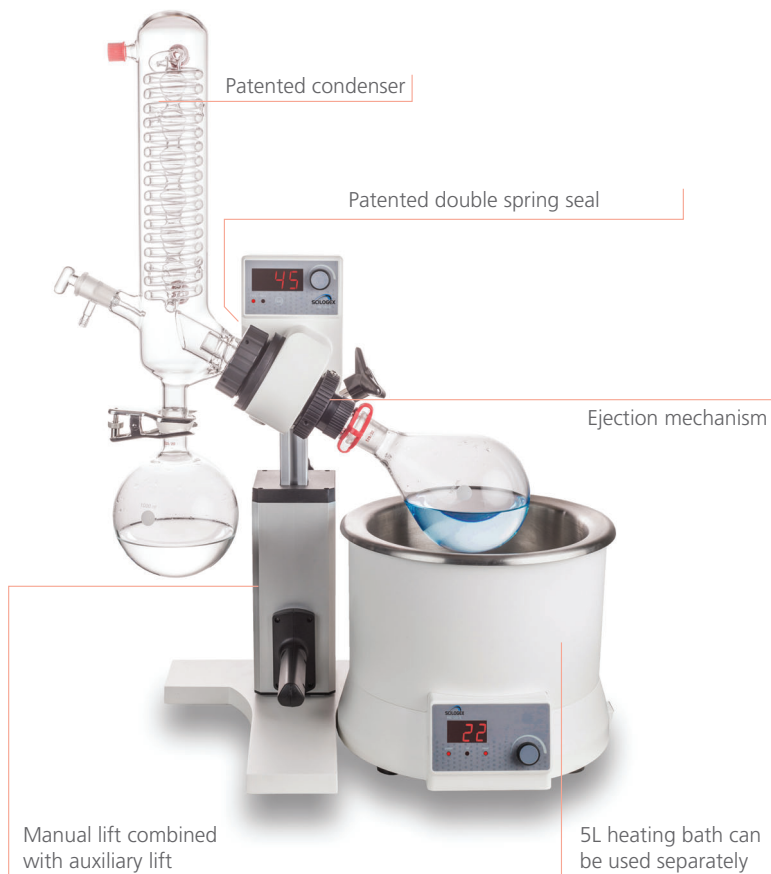


Overheating protection



Compatible with all range of glassware

SCI100-S LED Digital Rotary Evaporator



Specifications

SCI100-S	
Motor Type	Brushless DC motor
Speed Range	20-200rpm
Display	LED (speed, temperature, time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	water: $\pm 1^\circ\text{C}$ oil: $\pm 3^\circ\text{C}$
Heating Power	1010 W
Stroke Displacement	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 50/60 Hz
Power	1100 W

Condenser



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
18900166	(COATED)Evaporating flask(NS29/32) Receiving flask (KS35/20)	1000mL	1700cm ²
18900174	(COATED)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



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
18900164	(COATED)Evaporating flask(NS29/32) Receiving flask (KS 35/20)	1000mL	1700cm ²
18900172	(COATED)Evaporating flask(NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²



Heating Bath

Cat. No.	Description	Volume
18900201	Rotary Evaporator, 220V	5L
18900202	Rotary Evaporator, 110V	5L
18101888	LED heating bath, 220V	5L
18101936	LED heating bath, 110V	5L



Rotary Evaporator | Accessories

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
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



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



Distilling spider with 5 flasks(without flask)

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



Foam brake

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



Vapor tube

Cat. No.	Volume	Size
18100998	/	NS 29/32
18300206	/	NS 24/40

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

Additional

MZ 1C Chemistry-design diaphragm pump

Specification

Number of heads / stages: 2 / 2
 Max. pumping speed: 0.75 m³/h
 Ultimate vacuum (abs.): 12mbar
 Nozzle Size: DN 8-10 mm
 Rated motor power: 0.06kW
 Rated motor speed: 1500/1800 rpm
 Noise level: 45dB
 ATEX: II 3G IIC T3 X Internal Atm. only

Cat. No.

Voltage

18900231	Cn plug, 100V-120V/200-230V 50Hz/60Hz
18900232	Euro plug, 100V-120V/200-230V 50Hz/60Hz
18900233	USA plug, 100V-120V/200-230V 50Hz/60Hz
18900234	UK plug, 100V-120V/200-230V 50Hz/60Hz



C410 Chemistry-design diaphragm pump

Specification

Maximum Vacuum: 13mbar
 Work Mode: In Successions
 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



Vacuum regulator/moisture trap

Cat. No.

Description

In use of control small volume,
 installed in a vacuum between
 DVR480 and vacuum system.
 Material: PVDF, PTFE, ABS,
 Borosilicate Glass, Stainless Steel

18900186



Seals and other accessories

Cat. No.

Description

18202027	PTFE vacuum seal
18900362	Ultra resistant FFKM seal for applications with highly abrasive solutions
18900190	Evaporation flask clip(red) CS002440
18900188	Evaporation flask clip(green) CS002942



SCI220-H3/ SCI220-H5

LCD Digital Magnetic Stirring Heating Bath

Features

- High borosilicate glass liner with window for monitoring reaction product changes;
- Dual-use stirring bath for water and oil, with optional stirring in the bath ensuring uniform heating of both bath liquid and sample.
- Features a timer function with a range of 1 min to 99h 59min. Heating continues 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 stirring function.
- Protection features: dry burning protection, over-current protection, ground fault protection, and over-temperature 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.
- DC brushless motor, spark-free, long life; low noise, maintenance-free, stable operation.
- LCD displays speed, time, and temperature parameters clearly and intuitively.



Specifications

Specifications	SCI220-H3	SCI220-H5
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 ₂ O]	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°C	Room Temp.-220°C
Heating liquid temperature control accuracy	±1°C	±1°C
Overheating temperature protection	350°C	350°C
Temperature display accuracy	0.1°C	0.1°C
External temperature sensor	PT1000	PT1000
“Hot” warning	50°C	50°C
Buzzer	Yes	Yes
Positive and negative rotation	Yes	Yes
Protection class	IP21	IP21
Motor rating output	20W	20W
Heating output	850W	850W
Power	900W	900W
Voltage, Frequency	100-120V, 60Hz; 200-240V, 50Hz	100-120V, 60Hz; 200-240V, 50Hz
Bath size	Ø220×105mm	Ø240×135mm
Maximum flask volume can be placed	3L	5L
Dimension [W×D×H]	343×215×283mm	343×228×283mm
Weight	6.0kg	6.7kg
Timer function	1min-99h59min	1min-99h59min
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

SCI7-550HSM/SCI7-550H/SCI-7ST

Square LCD Digital Range: 7-Inch Magnetic Hotplate Stirrer & Timer with Strong Magnet - Hotplate - Magnetic Stirrer

SCI4-550HS/SCI4-550H/SCI-4ST

Square LCD Digital Range: 4-Inch Magnetic Hotplate Stirrer & Timer - 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.

NEW



Specifications	SCI7-550HSM	SCI7-550H	SCI-7ST
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 ₂ O]	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	SCI4-550HS	SCI4-550H	SCI-4ST
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 ₂ O]	10L	-	10L
Maximum stirrer size [length]	40mm	-	40mm
Speed range and step	50~1500rpm, step 1rpm	-	50~1500rpm, step 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	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

SCI5-340HST/ SCI5-340HSM/SCI5-ST

**5-inch TCircular LCD Digital Range:
Magnetic Hotplate Stirrer & Timer -
Magnetic Hotplate Stirrer with Strong
Magnet - Magnetic Stirrer**



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	SCI5-340HST	SCI-340-HSM	SCI-5ST
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 ₂ O]	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

SCI500HS-Pro

**LCD Digital Magnetic Hotplate Stirrer
With 10x10 Inch Ceramic Glass 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 $\pm 0.2^{\circ}\text{C}$
- 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.

SCI550-Pro

**LCD Digital Magnetic Hotplate Stirrer
With 7x7 Inch Ceramic Glass Plate**



SCI550-S

**LED Magnetic Hotplate Stirrer
With 7x7 Inch Ceramic Glass 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 $\pm 0.2^{\circ}\text{C}$
- 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

SCI380HS-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 H₂O at 5L



SCI280-Pro

LED Digital Magnetic Hotplate Stirrer

The SCI280-Pro is a perfect hotplate stirrer for handling small volume tasks and daily applications, with a 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 $\pm 0.2^{\circ}\text{C}$
- LED display shows temperature and stirring speed
- "HOT" warning flashes if work plate temperature is above 50°C

Specifications	SCI500HS-Pro	SCI550-Pro	SCI550-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, [HzO]	30L	20L	10L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100–1500rpm, resolution ± 1 rpm	100–1500rpm, resolution ± 1 rpm	0–1500rpm
Speed display	–	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	$\pm 1^\circ\text{C}(<100^\circ\text{C}) \pm 1\%(>100^\circ\text{C})$	$\pm 1^\circ\text{C}(<100^\circ\text{C}) \pm 1\%(>100^\circ\text{C})$	$\pm 10^\circ\text{C}$
Overheating protection	540°C	580°C	580°C
Temperature display accuracy	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000(accuracy $\pm 0.2^\circ\text{C}$)	PT1000(accuracy $\pm 0.2^\circ\text{C}$)	PT1000(accuracy $\pm 0.2^\circ\text{C}$)
"Hot" warning	50°C	50°C	50°C
Data connector	SD card	RS232	–
Protection class	IP21	IP21	IP21
Motor rating input	–	18W	15W
Motor rating output	–	10W	1.5W
Power	1400W	1050W	1030W
Heating output	1350W	1000W	1000W
Voltage	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz
Dimension [WxDxH]	328x424x138mm	215x360x112mm	215x360x112mm
Weight	7.18kg	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

SCI340-PRO^A

LCD Digital Magnetic Hotplate Stirrer

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

SCI340-PRO

LCD Digital Magnetic Hotplate Stirrer

SCI340-Pro^T

LCD Digital Magnetic Hotplate Stirrer with Timer

SCI340-HS

Analog Magnetic Hotplate stirrer



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 H₂O is 20L
- Safety circuits provide overheating protection
- "HOT" warning flashes if plate temperature is above 50°C even when hotplate is
- 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 $\pm 0.2^{\circ}\text{C}$
- 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
- Brushless DC motor is maintenance free and explosion-proof
- 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

Specifications	SCI340-Pro ^A	SCI340-PRO	SCI340-PRO ^T	SCI340-HS	SCI380HS-Pro	SCI280-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	stainless steel cover with ceramic	stainless steel cover with ceramic	Aluminum cover with ceramic coating	stainless steel cover with ceramic
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 ₂ O]	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 resolution ± 1rpm	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℃, increment 1℃	Room Temp.–340℃, increment 1℃	Room Temp.–340℃, increment 1℃	Room Temp.–340℃	Room Temp. ± 5–380℃	Room Temp. ± 5–280℃
Temperature control accuracy	± 1℃(<100℃) ± 1%(>100℃)	± 1℃(<100℃) ± 1%(>100℃)	± 1℃(<100℃) ± 1%(>100℃)	–	–	± 1℃ (<100℃) ± 1% (>100℃)
Overheating temperature protection	420℃	420℃	420℃	420℃	420℃	320℃
Temperature display accuracy	± 0.1℃	± 0.1℃	± 0.1℃	± 0.5℃	± 0.1℃	± 1℃
External temperature sensor	PT1000 (accuracy ± 0.2℃)	PT1000 (accuracy ± 0.2℃)	PT1000 (accuracy ± 0.2℃)	PT1000 (accuracy ± 0.2℃)	PT1000 (accuracy ± 0.2℃)	PT1000 (accuracy ± 0.2℃)
"Hot" warning	50℃	50℃	50℃	–	–	50℃
Data connector	RS232	RS232	–	–	–	–
Protection class	IP21	IP21	IP21	IP21	IP21	IP21
Timer function	–	–	1min to 99h59min	–	–	–
Motor rating input	18W	18W	18W	18W	2.4W	5W
Motor rating output	10W	10W	10W	10W	1.8W	3W
Power	650W	550W	550W	530W	510W	515W
Heating output	600W	500W	500W	500W	500W	500W
Voltage	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℃,80%RH	5–40℃,80%RH	5–40℃,80%RH	5–40℃,80%RH	5–40℃,80%RH	5–40℃,80%RH



SCI280-HS4/ SCI-S4/ SCI280-HS6/ SCI-S6

4/6 Channel LCD Digital Hotplate/Magnetic Stirrers



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.



SCI280-HS4



SCI-S4



SCI280-HS6



SCI-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, pharmaceutical manufacturer, biotech company, research institute and food manufacturer as an eco-friendly magnetic stirrer for synthesis.

Specifications	SCI280-HS4	SCI-S4	SCI280-HS6	SCI-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 ₂ O)	3LX4	3LX4	3LX6	3LX6
Max. stirring quantity (H ₂ O) 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





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

SCI340-4

LCD 4-Channel Digital Magnetic Hotplate Stirrer



Specifications	SCI340-4
Work plate dimension	Ø135mm (5 inch)
Plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	4
Max. stirring quantity of single position (H ₂ O)	10L
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
Temperature display accuracy	± 0.1°C
External temp. sensor PT1000 Accuracy	PT1000(accuracy ± 0.2°C)
IP Protection class	IP21
Motor rating input	1.8Wx4
Power	515Wx4
Heating Powe	500Wx4
Voltage	100–120V,60Hz; 200–240V,50 Hz
Dimensions[WxDxH]	698x270x128mm
Weight	9.5kg
Permissible ambient temperature	5–40°C
Permissible relative humidity	80%RH

SCI120-HS

10-Position Magnetic Hotplate Stirrer



Specifications	SCI120-HS
Work plate dimension[W x D]	180x450mm
Work Plate material	Stainless steel with ceramic coating
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	IP21
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating Power	470W
Voltage	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

Cat. No.	Description	SCI500HS-PRO	SCI550-S	SCI340-Pro	SCI340-Pro ^T	SCI340-HS	SCI280-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, 4 mL reaction vessel, Ø15.2mm, 20mm depth						
 18900003	Purple quarter pie, 4 holes, 20 mL 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						
 18900016	PT1000-A, length of 230mm						
 18900136	PT1000-B, temperature sensor with glass coated, length of 230mm						
 18900017	Support clamp of PT1000						
 18900148	Support clamp of PT1000						



SCI500H-Pro

LCD 10X10 inch 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 $\pm 0.2^{\circ}\text{C}$
- 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	SCI500H-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	$\pm 1^{\circ}\text{C}$ (<100°C) $\pm 1\%$ (>100°C)
Safety temperature	540°C
Temperature,time display	LCD
Timer function	1min-99h59min
Temperature display accuracy	$\pm 0.1^{\circ}\text{C}$
External temperature sensor	PT1000($\pm 0.2^{\circ}\text{C}$)
"Hot" warning	50°C
Protection class	IP21
Power	1400W
Heating output	1350W
Voltage Frequency	100-120/200-240V, 50/60Hz
Dimension[WxDxH]	328x424x138mm
Weight	7.18kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

SCI550-H

7x7 LED Hotplate



Specifications	SCI550-H
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
Heating Power	1000W
Power	1010W
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

SCI380H-Pro

LCD Digital Hotplate



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 a 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 H₂O at 5L

Specifications	SCI380H-Pro
Work plate Dimension [W x D]	140x140mm (7 inch)
Work plate material	Aluminum cover with ceramic coating
Heating temperature range	Room temp.-340°C increment 1°C
Temperature display	LCD
Temperature display accuracy	± 1°C
External temperature sensor	PT1000 (accuracy ±0.2°C)
Protection class	IP21
Power	510W
Voltage Frequency	100-120/200-240V, 50/60Hz
Dimension[WxDxH]	180x320x108mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH
Over heat Protection	420°C
Heating output	500W

SCI-S

Magnetic Stirrer

SCI7-S

7x7" Square Magnetic Stirrer

- Speed range of 0–1500rpm
- Maximum stirring quantity of H₂O up to 10L
- Ceramic work plate provides excellent corrosion resistance



SCI7-S

SCI6-Pro

LCD Digital Magnetic Stirrer

- High resolution LCD displays actual stirring speed
- Brushless DC motor is maintenance free
- Aluminum cover with ceramic work plate for immediate heating
- Digital speed control up to 1500rpm
- Maximum stirring quantity of H₂O at 5L



SCI-S



SCI6-Pro

Specifications	SCI7-S	SCI-S	SCI6-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
Motor type	Shaded pole motor	Brushless DC motor	Aluminum cover with ceramic coating
Stirring positions	1	1	1
Max. stirring quantity[H ₂ O]	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	IP42	IP21
Motor input Power	15W	18W	2.4W
Motor output Power	1.5W	10W	1.8W
Power	30W	30W	10W
Voltage	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

SCI-PA

LED Digital Magnetic Stirrer

With excellent stirring functionality, occupies less bench space and makes storage easier.

SCI-PB

Analog Magnetic Stirrer

Features

- Digital speed control within the range of 0–1500rpm
- Maximum stirring quantity of H₂O at 3L
- LED display shows stirring speed (MS-PA)



Specifications	SCI-PA	SCI-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 ₂ O]	3L	3L
Max.magnetic bar[length]	50mm	50mm
Speed range	0–1500rpm	0–1500rpm
Speed display	LED	scale
Protection class	IP42	IP42
Motor input power	5W	5W
Motor output Power	3W	3W
Power	15W	10W
Voltage	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz
Dimension[WxDxH]	150x260x80mm	150x260x80mm
Weight	1.8kg	1.8kg
Permissible ambient temperature and humidity	10–40°C, 80%RH	5–40°C, 80%RH



Strong magnetism



Chemical resistance



LED display

SCI-S10

10-Position Analog Magnetic Stirrer



Specifications	SCI-S10
Work plate Dimension [W x D]	180 × 450mm
Work plate material	Stainless steel with silicone coating
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity[H ₂ O]	0.4Lx10
Max.magnetic bar[length]	40mm
Speed range	0–1100rpm
Speed display	Scale
Protection class	IP21
Motor input Power	12W
Motor output Power	4W
Power	20W
Voltage	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

SCI-Spin

Ultra-flat Compact Magnetic Stirrer

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



Specifications	SCI-Spin
Work plate Dimension	Ø90mm
Work plate material	PET
Motor type	Motorless
Stirring positions	1
Max. stirring quantity[H ₂ O]	0.8L
Max.magnetic bar[length]	40mm
Speed range	15–1500rpm
Speed display	button
Protection class	IP65
Motor output Power	3W
Power	5W
Voltage	100–120/200–240V, 50/60Hz
Dimension[WxDxH]	175x120x15mm
Weight	0.3kg
Permissible ambient temperature and humidity	5–40°C, 80%RH

Features

- Speed range 15 to 1500rpm
- Automatic reverse rotation for excellent mixing
- Protection class (IP65)
- 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



SCI-Stir

Economical Magnetic Stirrer

SCI-Stir 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

SCIT40-Plus/SCIT60-Plus/SCIT400-Plus

LCD Digital Overhead Stirrer with timer

- ❶ Paddle "through-the-top" design for easy container replacement
- ❷ LCD display of speed, torque, timing, temperature, etc.
- ❸ Safety lock, Temperature sensor, Buzzer, Operating mode, Forward and reverse rotation, Pc connection icon
- ❹ Speed, Time, Forward and reverse rotation adjustment knob
- ❺ Menu settings, Operation mode switching, Time, Speed, Forward and reverse rotation, A/B gear setting switching
- ❻ Safety lock to prevent accidental change of operation
- ❼ 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	SCIT40-Plus	SCIT60-Plus	SCIT400-Plus
Max.stirring quantity[H ₂ O]	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.



LCD display



Torque display



Speed adjusts with change in viscosity



Wide range of accessories

Specifications

Max. stirring quantity[H ₂ O]	
Motor type	
Motor input power	
Motor output power	
Voltage	
Power	
Speed range	
Speed display accuracy	
Speed display	
Torque display	
Overload protection display	
Max. torque	
Viscosity max.	
Chuck range diameter	
Dimension[WxHxD]	
Weight	
Protection class	
Permissible ambient temperature and humidity	
Data connector	

SCILOGEX Overhead Stirrers can accomplish the most demanding tasks and provide high safety and increased performance. They are widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries, etc.

SCI20-Pro SCI40-Pro LCD Digital Overhead Stirrers

Features

- High reliability and outstanding performance
- LCD display for precise monitoring of set and actual speeds, a wide range of speed from 50 to 2200rpm with control accuracy of ± 3 rpm
- Brushless DC motor for long life, maintenance free
- Torque trend display for real-time information on viscosity changes
- Safety circuits allow for safe stop function in anti-stall or overload conditions
- Smooth operation prevents accidental spillage and splashing
- Provides constant speed even with changes in viscosities of the samples
- Remote function provide PC control and data transmission
- Availability of auto-restart function in case of power loss for overnight operations.



SCI20-Pro	SCI40-Pro
20L	40L
brushless DC motor	brushless DC motor
60W	120W
50W	100W
100-240V, 50/60 Hz	100-240V, 50/60 Hz
70W	130W
50-2200rpm	50-2200rpm
± 3 rpm	± 3 rpm
LCD	LCD
LCD	LCD
LED lights	LED lights
40Ncm	60Ncm
10000mPas	50000mPas
0.5-10mm	0.5-10mm
83x220x186mm	83x 220x 186mm
2.8kg	2.8kg
IP21	IP21
5-40°C, 80%RH	5-40°C, 80%RH
RS232	RS232

SCI20-S SCI40-S

LED Overhead Stirrers

Features

- High reliability and outstanding performance
- A wide range of speed from 50 to 2200rpm
- Brushless DC motor for long life, maintenance free and
- LED screen for monitoring actual speed
- Safety circuits allow for safe stop function in anti-stall or overload conditions



Wide range of
accessories



Specifications

	SCI20-S	SCI40-S
Max. stirring quantity(H ₂ O)	20L	40L
Motor type	brushless DC motor	brushless DC motor
Motor input power	60W	120W
Motor output power	50W	100W
Voltage	100-240V, 50/60 Hz	100-240V, 50/60 Hz
Power	70W	130W
Speed range	50-2200rpm	50-2200rpm
Speed display accuracy	±3rpm	±3rpm
Speed display	LED	LED
Overload protection display	LED lights	LED lights
Max. torque	40Ncm	60Ncm
Viscosity max.	10000mPas	50000mPas
Chuck range diameter	0.5-10mm	0.5-10mm
Dimension[WxHxD]	83x220x186mm	83x.220x186mm
Weight	2.8kg	2.8kg
Protection class	IP21	IP21
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C 80%RH

SCI10-Pro

Digital Overhead Stirrer

Features



Applications

The SCI10-Pro Digital Overhead Stirrer is suitable for low viscosity samples. Mainly used in chemical synthesis, drug synthesis, physical and chemical analysis, chemical research and development, food and beverage, food and drug testing, beauty industry, handmade, cosmetics, dyes, paint, glue adhesives, plastics, polymers and other fields of dissolution, dispersion, emulsification and homogenization.

Specifications

Model	SCI10-Pro
Max. stirring quantity[H ₂ O]	10L
Speed range[RPM]	200-2500
Speed display	OLED
Speed display resolution[RPM]	±1
Speed increase/decrease[RPM]	50
Viscosity max.[mPas]	10000
Motor type	Dc brush motor
Max. torque	20N·cm
Overload protection	Automatic stop
Chuck clamp range diameter[mm]	0.5-10
Protection class	IP21
Voltage,Frequency	100-240V,50/60 Hz
Input power[W]	45
output power[W]	35
power[W]	50
Dimension[W×H×D][mm]	373×238×623
Weight[kg]	4.8
Permissible ambient temperature and humidity	5-40°C ,80%RH

Overhead Stirrers | Accessories

Universal plate stand

Dimension [W x D x H] : 200x310x780mm
Material: stainless steel

Cat. No.

18900258



Paddle stirrer

shaft length 40cm
stirrer diameter 6.8cm

Material: 316L stainless steel

Application: Suitable for samples needed gentle processing at low and medium speeds

Cat. No.

18900073



Centrifugal stirrer

shaft length 40cm
stirrer diameter 9cm

Material: 316L stainless steel

Application: Two-bladed stirrer whose blades open with increasing speed. perfect for stirring in round vessels with narrow necks. Medium to high speeds required.

Cat. No.

18900074



Propeller stirrer

shaft length 400mm
stirrer diameter 50mm

Material: 316L stainless steel

Application: Standard stirring element used at medium and high speeds

Cat. No.

18900071



Propeller stirrer

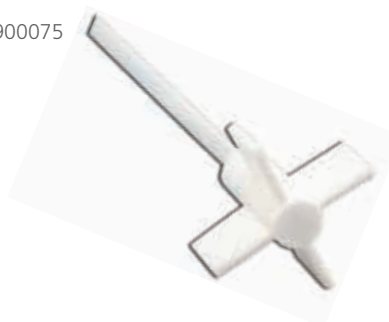
shaft length 35cm
stirrer diameter 6.5cm

Material: PTFE coated

Application: Standard stirring element, used at medium and high speeds

Cat. No.

18900075



Straight stirrer

shaft length 40cm
stirrer diameter 6cm

Material: 316L stainless steel

Application: Ideal for the mixing of low viscosity media at medium and high speeds

Cat. No.

18900072



Straight stirrer

shaft length 35cm
stirrer diameter 7cm

Material: PTFE coated

Application: Ideal for the mixing of low viscosity media at medium and high speeds

Cat. No.

18900076



Paddle stirrer

shaft length 35cm
stirrer diameter 6.8cm

Material: PTFE coated

Application: Suitable for samples needed gentle processing at low and medium speeds

Cat. No.

18900077



Centrifugal stirrer

shaft length 35cm
stirrer diameter 8.5cm

Material: PTFE coated

Application: Two-bladed stirrer whose blades open with increasing speed. perfect for stirring in round vessels with narrow necks. Medium to high speeds required

Cat. No.

18900078



NEW

SCI-MXS-Pro

Digital Vortex Mixer

NEW

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.



Specifications	SCI-MXS-Pro
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

NEW

SCI-VS-Pro

Infrared Digital Vortex Mixer

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

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	SCI-VS-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.

NEW

Accessories for SCI-VS-Pro & SCI-MXS-Pro

VT2.3	Cat. No.18901365	VT2.5	Cat. No.18901367
Universal top plate, compatible with Foam Tube Adapters		Erlenmeyer flask attachment (100mL-250mL), Operating speed: 0~1500rpm	
VT2.4	Cat. No.18901366	PS2.1	Cat. No.18901360
Ampule/Tube Attachment, 4pc ampule/tube (0.2mL-15mL)		Microplate clamp, Suitable for 96-well (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	VT2.6.4	Cat. No.18901375
Tube Cup for SCI-VS-Pro		Tube Adapter, 8 holes ×15mL Test Tube	
VT2.1	Cat. No.18901380	VT2.6.5	Cat. No.18901374
Tube Cup for SCI-MXS-Pro		Tube Adapter, 4 holes ×50mL Test Tube	
VT2.2	Cat. No.18901373	VT 2.7.4	Cat. No.18901870
Flat Rubber Top		Horizontal Plastic Clamp, 24 holes ×1.5mL Test Tube (Circular plate)	
VT2.6	Cat. No.18901368	VT 2.7.5	Cat. No.18901871
Snap-in Universal top plate, compatible with VT2.6.1-VT2.6.5 Tube Adapter		Horizontal Plastic Clamp, 12 holes ×15mL Test Tube (Circular plate)	
VT2.6.1	Cat. No.18901378	VT 2.7.6	Cat. No.18901872
Tube Adapter, 25 holes ×1mL Test Tube		Horizontal Plastic Clamp, 6 holes ×50mL Test Tube (Circular plate)	
VT2.6.2	Cat. No.18901377	PS2.2	Cat. No.18901361
Tube Adapter, 21 holes ×2mL Test Tube		Snap-in Microplate clamp, Suitable for 96-well (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)	
VT2.6.3	Cat. No.18901376		
Tube Adapter, 16 holes ×5mL Test Tube			

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

SCIOLOGEX Vortex Mixers are ideal instruments for mixing liquid components in tubes, resuspension of cells, using an eccentric mechanism. They are widely used in biological and chemical analysis applications.

SCI-VS
Vortex Mixer

SCI-FS
Vortex Mixer

Features:

- Touch operation or continuous mode
- Variable speed control from 0 to 2500rpm (SCI-VS)
- Fixed Speed 2500rpm (MX-F)
- Used for various mixing applications with optional adapters (SCI-VS)
- Specially designed vacuum suction feet for body stability
- Robust aluminum-cast construction



Wide range of accessories



Specifications	SCI-VS (Adjustable speed)	SCI-FS (Fixed speed)
Voltage	100-120V/200-240V,50/60Hz	100-120V/200-240V,50/60Hz
Power	60W	60W
Mixing motion	Orbital	Orbital
Orbital diameter	4mm	4mm
Motor type	Shaded pole motor	Shaded pole motor
Motor rating input	58W	58W
Motor rating output	10W	10W
Speed range	0-2500rpm	2500rpm
Speed display	Scale	-
Run type	Touch operation/Continuous	Touch operation/Continuous
Dimension[W×H×D]	127×130×160mm	127×130×160mm
Weight	3.5kg	3.5kg
Permissible ambient temperature	5-40°C	5-40°C
Permissible relative humidity	80%RH	80%RH
Protection class	IP21	IP21



Vortex Mixers | Accessories



VT1.2 Tube holding rod

used with tube adapters

Cat. No. 18900044

VT1.3 Universal top plate

Ø 100mm

Cat. No. 18900035



VT1.3.1 tube adapter

for 48 holes test tubes, Ø6mm

Cat. No. 18900020



VT1.3.2 tube adapter

for 15 holes test tubes, Ø10mm

Cat. No. 18900021



VT1.3.3 tube adapter

for 12 holes test tubes, Ø12mm

Cat. No. 18900022



VT1.3.4 tube adapter

for 8 holes test tubes, Ø16mm

Cat. No. 18900023



VT1.3.5 tube adapter

for 8 holes test tubes, Ø20mm

Cat. No. 18900024



VT1.3.6 Platform pad

for <Ø99mm tubes and small vessels

Cat. No. 18900043



Application of accessories

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



VT1.3.7 vacuum chuck

made of rubber

Cat. No. 18900158



Micropate Mixers

SCIOGEX Microplate Mixer is used for holding single or double microplates. The compact shape of SCI-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.

SCI-M Microplate Mixers

Features:

- A wide range of speed from 0 to 1500rpm
- Used for various mixing applications with optional adapters
- Maintenance-free brushless DC motor



Brushless DC motor



Wide range of accessories



PS1.2 Microplate clamp

Cat. No.18900042



PS1.1 Universal top plate

Used with tube adapters

Cat. No.18900067



VT1.3.1 tube adapter

for 48 holes test tubes, Ø6mm

Cat. No.18900020



VT1.3.2 tube adapter

for 15 holes test tubes, Ø10mm

Cat. No.18900021



VT1.3.3 tube adapter

for 12 holes test tubes, Ø12mm

Cat. No.18900022



VT1.3.4 tube adapter

for 8 holes test tubes, Ø16mm

Cat. No.18900023



VT1.3.5 tube adapter

for 8 holes test tubes, Ø20mm

Cat. No.18900024



MXM-116

Double microplate clamps

Cat. No.18900079



Specifications

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	100-240V,50/60Hz
Power	20W
Dimension	260×150×80mm
Weight	3kg
Permissible ambient temperature and humidity	5-40°C,80%RH
Protection class	IP21

SCI-M
Orbital
4.5mm
0.5kg
Brushless DC motor
18W
10W
Single microplate: 0-1500rpm Double microplate: 0-1000rpm
Scale
100-240V,50/60Hz
20W
260×150×80mm
3kg
5-40°C,80%RH
IP21

Tube Rotators



SCILOGEX rotators give gentle but effective mixing of biological samples held in 1.5mL to 50mL tubes, and are used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics, etc.

SCI-RD-Pro LCD Digital Rotator

Features

- Electronic adjustment of speed and time
- LCD display of speed and time
- Speed range from 10 to 70rpm
- Rolling action, gives gentle but effective mixing
- Adjustable mixing angle from 0 to 90°
- A wide variety of accessories are available

SCI-RD-E Economical Rotator

Features

- Provides gentle and effective mixing of biological samples
- Adjustable speed range from 0 to 80rpm
- A wide variety of accessories are available



LCD display



Adjustable angle



Wide range of accessories



Specifications

	SCI-RD-Pro	SCI-RD-E
Motor type	DC motor	DC motor
Tilt angle	0-90°	-
Speed range	10-70rpm	0-80rpm
Speed display	LCD	Scale
Timer display	LCD	Scale
Timer	1-1199min	-
Operation mode	Continuous / timer	Continuous
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	40W	20W
Dimension [D×W×H]	280×210×300mm	300×220×310mm
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH
Protection class	IP21	IP21

SCI-RL-Pro LCD Digital Rotator

Features

- Electronic adjustment of speed and time
- LCD display speed and time
- Speed range from 10 to 70rpm
- Provides gentle but effective rolling
- A wide variety of accessories are available



SCI-RL-E Economical Rotator

Features

- Provides gentle but effective rolling
- Adjustable speed range from 0 to 80 rpm
- A wide variety of accessories are available



LCD display



Wide range of accessories



Specifications

	SCI-RL-Pro	SCI-RL-E
Motor type	DC motor	DC motor
Speed range	10-70rpm	0-80rpm
Speed display	LCD	Scale
Timer display	LCD	Scale
Timer	1-1199min	-
Operation mode	Continuous/timer	Continuous
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	40W	20W
Dimension[D×W×H]	220×510×260mm	150×530×190mm
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH
Protection class	IP21	IP21

Tube Rotators | Accessories

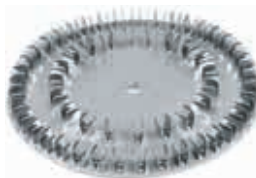


Disk Accessories Type-1

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

Cat. No.

18900160

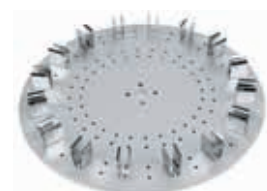


Disk Accessories Type-2

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

Cat. No.

18900161



Disk Accessories Type-3

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

Cat. No.

18900162



Disk support rods

4pcs in a group
use with disk accessories

Cat. No.

18900140



Rotisserie Accessory Type-1

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

Cat. No.

18900142



Rotisserie Accessory Type-2

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

Cat. No.

18900143



Rotisserie Accessory Type-3

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

Cat. No.

18900144



Rotisserie Accessory Type-4

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

Cat. No.

18900145



Rotisserie Accessory Type-5

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

Cat. No.

18900146



Rotisserie Accessory Type-6

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

Cat. No.

18900147



Plastic Clips

Used with SCI-RL-E/sci-RD-E
Disk/Rotisserie accessory, for
50mL, 15mL and 1.5mL
centrifuge tubes





SCI-T6-Pro LCD Digital Tube Roller

Features

- LCD displays the speed and time
- Speed range of 10-70rpm
- Six roller design for gentle rolling and easy to clean
- Continuous or timer operation

SCILOGEX tube rollers provide a gentle and highly efficient rolling motions, ideal 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.



LCD display



Timer

SCI-T6-S Tube Roller

Features

- Speed range of 0-70rpm
- Six roller design for gentle rolling and easy to clean



Specifications

	SCI-T6-Pro	SCI-T6-S
Amplitude	24mm	24mm
Motor type	DC motor	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	100-240V,50/60Hz	100-240V,50/60Hz
Power	30W	25W
Dimension [D×W×H]	450×260×120mm	450×260×120mm
Weight	5.1kg	4.5kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH
Protection class	IP21	IP21

SCI-0330-Pro

SCI-0180-Pro

LCD Digital Orbital Shaker

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

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.

SCI-O330-Pro



SCI-O180-Pro



Specifications	SCI-O330-Pro	SCI-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–19h59min	1min–19h59min
Voltage	100–240V,50/60Hz	100–240V,50/60Hz
Power	30W	30W
Weight	13.5kg	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	IP21
Data connector	RS232	RS232

SCI-0330-M

LCD Digital Orbital Shaker



Features

- Independent LCD display for speed and time
- 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
- Wide range of optional platform for flasks, and other popular vessels

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 all vessels from micro-centrifuge tubes through petri dishes and microplates to conical flasks.

SCI-0180-S

LED Digital Orbital Shaker



Timer



Wide range of accessories

Specifications	SCI-O180-S	SCI-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–19h59min	1min–19h59min
Voltage	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 × D]	268x268mm	–

SK-L330-Pro

SK-L180-Pro

LCD Digital Linear Shaker

Features

- Linear reciprocating shaking action
- Two options: 7.5kg (L330) and 2.5kg (L180) with platform
- Independent LCD display for speed and time
- Speed range of 100–350 rpm
- Maintenance-free brushless DC motor
- Over speed detection and protection
- Wide range of platforms for use with a variety of vessels

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.

SCI-L330-Pro



SK-L180-Pro



Specifications	SCI-L330-Pro	SCI-L180-Pro
Amplitude	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	100–350rpm	100–350rpm
Speed display	LCD	LCD
Timer display	LCD	LCD
Time settings range	1min–19h59min	1min–19h59min
Voltage	100–240V, 50/60Hz	100–240V, 50/60Hz
Power	30W	30W
Weight	13.5kg	8.1kg
Permissible ambient temperature and humidity	5–40°C, 80%RH	5–40°C, 80%RH
Dimension[W × D × H]	370 × 420 × 100mm	300X340X100mm
Protection class	IP21	IP21
Data connector	RS232	RS232



SCIR-Pro

LCD Digital See-Saw Rocker

Features

- See-Saw motion angle 9°
- Maximum load capacity of 10 kg with platform
- Speed range of 10–70 rpm
- Double LCDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels

Applications

Designed for time-dependent and low rpm sensitive shaking applications such as ELISA washes, enzyme immunoassays, protein synthesis, hybridization staining/destaining gels, immune precipitation and Western blots; cell culture; pharmaceutical profiling, etc.

Specifications	SCIR-Pro
Tilt angle	9°
Max. load capacity(with platform)	10kg
Motor type	DC motor
Motor input power	40W
Motor output power	24W
Speed range	10–70rpm
Speed display	LCD
Timer display	LCD
Time settings range	1min–19h59min
Voltage	100–240V, 50/60Hz
Power	50W
Weight	9kg
Permissible ambient temperature and humidity	5–40°C,80%RH
Dimension[W × D × H]	360 × 410 × 200mm
Protection class	IP21

SCI-3D-Pro

LCD Digital 3D Rocker

Features

- Three-dimensional rocking motion with an angle of 9°
- Maximum load capacity of 5kg with platform
- Speed range of 10–70 rpm
- Independent LCD display of time and speed
- Incubator compatible
- Various platform accessories



Applications

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



Timer

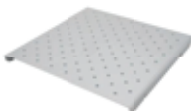


Wide range of accessories

Specifications	SCI-3D-Pro
Tilt angle	9°
Max. load capacity(with platform)	5kg
Motor type	DC motor
Motor input power	40W
Motor output power	24W
Speed range	10–70rpm
Speed display	LCD
Timer display	LCD
Time settings range	1min–19h59min
Voltage	100–240V, 50/60Hz
Power	50W
Weight	9kg
Permissible ambient temperature and humidity	5–40°C, 80%RH
Dimension[W × D × H]	360 × 430 × 106mm
Protection class	IP21



Cat. No.	Description	SK-O330-Pro	SK-L330-Pro	SK-R330-Pro	SK-D3309-Pro	SK-O180-Pro	SK-L180-Pro
 18900155	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	Dish attachment with non-slip mat Dimension[WxD]: 24x21.5cm					■	■
 18900200	Large size dish attachment with non-slip mat Dimension[WxD]: 30x23cm					■	■
 18900326	Dish attachment with non-slip mat Dimension[WxD]: 28x28cm					■	■
 18202852	Silicone mattress for 10 × 5~10mL tubes					■	■
 18202853	Silicone mattress for 4 × 50mL tubes					■	■
 18900027	Universal attachment with 4 bars Size: 32x32cm Capacity for flask: 25mLx21pcs, 50mLx15pcs, 100mLx12pcs, 250mLx6pcs, 500x4pcs	■	■	■	■		
 18900040	Lengthways roller attachment Size: 32x32cm Capacity for flask: 25mLx21pcs, 50mLx15pcs, 100mLx12pcs, 250mLx6pcs, 500x4pcs	■	■	■	■		
 18900025	Universal attachment with 3 bars Size: 25x24.5cm Capacity for flask: 25mLx10pcs, 50mLx8pcs, 100mLx6pcs, 250mLx4pcs, 500x2pcs					■	■
 18900038	Lengthways roller attachment Size: 25x24.5cm Capacity for flask: 25mLx10pcs, 50mLx8pcs, 100mLx6pcs, 250mLx4pcs, 500x2pcs					■	■

Cat. No.	Description	SCI-O330-Pro	SCI-L330-Pro	SCIR-Pro	SCI-3D-Pro	SCI-O180-Pro	SCI-L180-Pro
 18900036	Bar for SK330.1 universal attachment	■	■	■	■		
 18900037	Bar for SK180.1 universal attachment					■	■
 18900280	Connect sticks for double dishes shaker	■	■	■	■	■	■
 18900028	Fixing clip attachment Size: 32 x 32cm	■	■	■	■		
 18900026	Fixing clip attachment Size: 25 x 24cm					■	■
 18900029	Fixing clip for flask volume 25mL, used with SK330.2[56pcs] SK180.2[36pcs]	■	■	■	■	■	■
 18900030	Fixing clip for flask volume 50mL, used with SK330.2[28pcs] SK180.2[18pcs]	■	■	■	■	■	■
 18900031	Fixing clip for flask volume 100mL, used with SK330.2[28pcs] SK180.2 [18pcs]	■	■	■	■	■	■
 18900032	Fixing clip for flask volume 200/250mL, used with SK330.2[13pcs] SK180.2[8pcs]	■	■	■	■	■	■
 18900033	Fixing clip for flask volume 500mL, used with SK330.2[9pcs] SK180.2[8pcs]	■	■	■	■	■	■

Homogenizers

D-160

Handheld Homogenizer

Features:

- Ideal for manual operation due to its light weight and ergonomic design
- Processing range: 0.1-50mL or 1-250mL
- 316L stainless steel shafts are fully autoclavable and inert for highly corrosive solutions
- All shafts are interchangeable for easy dismantling and cleaning.
- 6 modes of motor speed from 8,000 to 30,000 rpm



Specifications

Power Supply
Motor Type Universal motor
Speed Range
Max. Circum. Speed
Speed Control Dial knob
Working Volume [H ₂ O]
Max. Viscosity
Material of Dispersing Shaft
Weight
Dimension [L x W x H]
Noise
Operating Environment
Protection Class

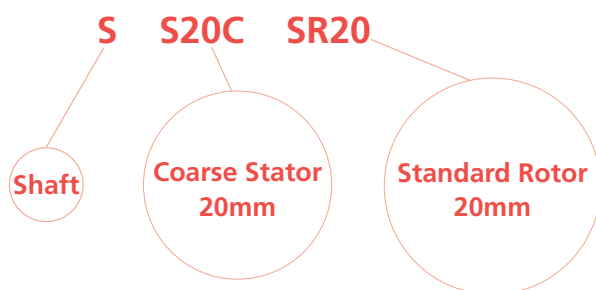
D-500

Homogenizer

Features:

- Viscosity up to 10,000 mPas
- 6 modes of motor speed from 10,000 to 30,000 rpm
- All-round safety guarantee for motor drive, overload protection and smooth operation
- 316L stainless steel shafts are fully autoclavable and inert for highly corrosive solutions
- Easy dismantling for fast preparation
- All shafts are interchangeable for easy dismantling and cleaning

D-160	D-500
110-120V/60Hz 220-240V / 50-60 Hz	110-120V/60Hz 220-240V/50-60 Hz
160 W AC carbon brush motor	500 W AC carbon brush motor
8000-30000rpm	10000-30000rpm
6.3-14m/sec	22.7-36m/sec
6 stage	6 stage
0.1-50mL (Dispersing shaft DS-160/5)	100-5000mL
1-250mL (Dispersing shaft DS-160/10)	
5,000mPas	10,000 mPas
SS 316L stainless steel, PTFE	SS 316L stainless steel, PTFE
0.6 kg	1.3 kg
46mm x 55mm x 230mm	70mm x 70mm x 255mm
72 dB(A)	79 dB(A)
0-40°C, 85% rel. humidity	0-40°C, 85% rel. humidity
IP20	IP20



Homogenizers | Accessories

D-500 Homogenizer

DS-500/1

Volume 100-5000mL
Max. Circum. Speed 22.7m/sec
Material: 316L
Application: for solid/liquid media

Cat. No.

18900115



DS-500/2

Volume 100-5000mL
Max. Circum. Speed 22.7m/sec
Material: 316L
Application: for water and oil mixing

Cat. No.

18900116



DS-500/5

Volume 100-5000mL
Max. Circum. Speed 5,8m/sec
Material: 316L
Application: Ideal for all homogenizing applications such as tissue homogenization, cell disruption, suspensions and clinical and medical diagnostics

Cat. No.

18900117



D-160 Handheld Homogenizer

DS-160/5

Volume 0.1-50ml
Max. Circum. Speed 6.3m/sec
Material: 316L
Application: small amounts of solid-liquid mixed

DS-160/10

Volume 1-250mL
Max. Circum. Speed 22.7m/sec
Material: 316L
Application: small amounts of solid-liquid mixed

Cat. No.

188900113

Cat. No.

18900114



Stator



S20C



S20F



S30C



S30F



S40C

Rotor



SR20



SR30



CR20



CR30



MR20



MR30



ER20



ER30



Centrifuges



Ezee Pro

High Speed Digital Mini Centrifuge

Applications

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

Features

- Speed 2000-10000rpm (1000rpm increments) (7490xg)
- OLED display, may switch speed and time;
- DC motor drive, smooth and quiet operation;
- Safe, durable 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 0.5/ 1.5/ 2mL×12 tubes+4× PCR8 strips, 0.2mL×44 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 4lbs;



Cat.No.19400132	
0.2mL rotor adapter rotor 12pcs/pk	

Cat.No.19400133	
0.5mL rotor adapter rotor 12pcs/pk	

Specifications	Ezee Pro
Speed Range	2000-10000rpm, increment: 1000rpm
Max.RCF	6708×g-1.5/2mL; 6596-7490×g-PCR8 strips;
Rotor Capacity	0.2mL×44 PCR tubes 0.5/1.5/2mL×12+ 0.2mL PCR 8 strips×4
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

Mini Micro Centrifuges

Ezee series Mini Micro Centrifuge

Features

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7000rpm fixed speed
- Compatible with 2mLx8 and PCR8x2 rotors
- Quiet running, noise level $\leq 45\text{dB}$
- Rotor change without tools
- Accelerates and brakes in seconds
- Available in two colors i.e., green, blue



Quiet operation



Vibration free



CE  FC

Specifications

	Ezee
Max. Speed	7000rpm
Max. RCF	2680xg
Rotor Capacity	0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC100-240V/50Hz/60Hz 20W
Noise Level	$\leq 45\text{dB}$
Dimension [DxWxH]	160x170x122mm
Weight	0.5kg
Certification	CE cTUVus FCC MCA

Available rotors



A08-2

Cat. No. 19400015

Max. speed: 7000rpm

Max. RCF: 2680×g

Rotor capacity: 2mL/1.5mL×8, 0.2mL×8, 0.5mL×8

Rotor material: High strength plastic

Available rotor adapters: SA02P2, SA05P2



A02-PCR8

Cat. No. 19400017

Max. speed: 7000rpm

Max. RCF: 2680×g

Rotor capacity: 0.2mL×16 PCR strips, 0.2 mL×2 PCR 8 strips

Rotor material: High strength plastic

Available adapters



SA02P2

Cat. No. 19400029

0.2mL rotor adapter

Used with A08-2 rotor

8pcs/pk



SA05P2

Cat. No. 19400026

0.5mL rotor adapter

Used with A08-2 rotor

8pcs/pk

High Speed Micro-Centrifuges

High Speed Micro Centrifuge

High speed micro centrifuges are widely used in physical and chemical analysis, biochemistry, cellular and molecular biology, clinical Labs ideal for high-end research applications

- Sedimentation of cells and viruses
- Separation of sub-cellular organelles
- Isolation of macromolecules such as DNA, RNA, proteins or lipids

Precise control

- Brushless DC motor accelerates quickly to the set speed
- High accuracy of speed in ± 20 rpm
- Digital timer adjustable from 30 sec. to 99 min or set for continuous run
- Timer starts only when the set speed is achieved and then maintains the accuracy of separation time.

Conforms to international safety standards and regulations

- SCIOLOGEX centrifuges pass CE, cTUVus and FCC requirements. certifications, they are certified by TUV. All SCIOLOGEX test items are proven with the high level of reliability and confidence according to IEC/EN 61010-1, and pass MCA test according to IEC/EN61010-2-20, including rotor containment and bio-safe tests.
- Quiet operation, maximum reliability
- High strength metal casing ensures security during centrifugal process
- Dual door interlock design for safety(D3024 & D3024R)
- Gentle braking at low speed with efficient separation

Ergonomic design

- User-friendly large LCD display shows real-time information
- Both RPM or G-force can be set and displayed
- The parameters can be modified after the set speed is reached.
- The short spin function is used for quick spins by pressing and holding PULSE key. The centrifuge speed can be accelerated and held at the target speed
- Automatic lid-lock release prevents sample warming and allows easy access(excluding D3024R)
- Concise display and Sound-alert



SCI-12 High Speed Mini Centrifuge



Brushless DC motor



LCD display



Specifications

SCI-12

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

Features

- Powerful centrifugal force of 15100xg and max. speed of 15000rpm ideal for various applications
- Brushless DC motor drive quickly accelerates the rotor to set speed
- Quiet working, Low noise ≤56dB
- SCI-12 is proven by IEC/EN 61010-1
- SCI-12 Plus passed the rigorous rotor containment test and accredited with CE, cTUVus, FCC certificates, and MCA test. MCA test according to IEC/EN61010-2-20

Available rotors



Cat. No. 19400010

A12-2P for SCI-12

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

Available adapters



Cat. No. 19500001

A02P2

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

Cat. No. 19500002

A05P2

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

Centrifuges

SCI-1524R

High-speed Refrigerated Micro Centrifuge



Features

- Electronic Magnetic door locking system – the lid can be closed with one figure 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 centrifugation
- High-strength aluminum alloy rotor can be fully autoclavable at 121°C
- Rotor imbalance detection alarm
- Acceleration/ deceleration in 9 steps, 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

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.



Specifications	SCI-1524R
Max. Speed	15,000rpm (200–15,000rpm) in 100rpm increments.
Max. RCF	21,380 × g, step: 10 × g
Capacity	1.5/2mL × 24, 0.5mL × 36, PCR8 × 4, 5mL × 12, 5mL × 18.
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, 200V–240V, 50Hz/60Hz, 500W100V–120V, 50Hz/60Hz, 500W
Noise	≤56dB
Dimensions[WxDxH]	332 × 553 × 283mm
Weight	30kg
Certification	CE cTUVus FCC
Other functions	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Acceleration/ deceleration in 9 steps, program storage capacity.

Centrifuges

SCI-24

High Speed Micro Centrifuge

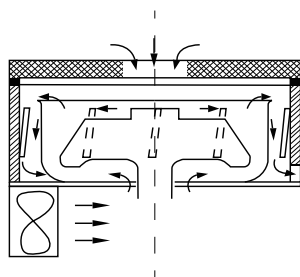


Brushless DC motor



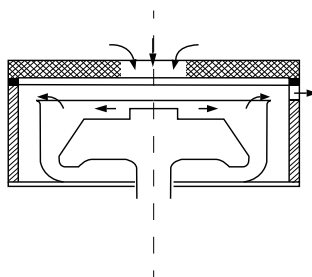
Wide range of rotors

Effective Ventilation System



Proprietary design of dual path ventilation 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

- Patent special double cooling air design ensures fast cooling of the rotor and low energy consumption
- 3-layer sealed rotors ensure safe centrifugation
- 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.

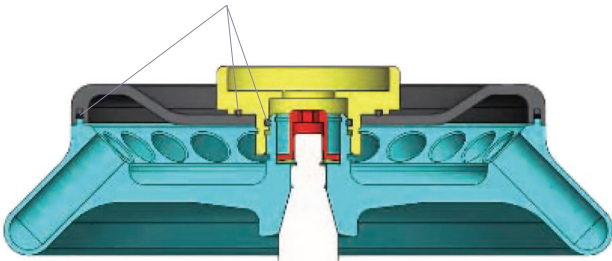


SCILOGEX rotors are manufactured from military-industrial grade aluminum alloy with high mechanical strength for precise running and safety (excludes SCI-12 rotor)

- 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
- SCI-24 & SCI-1524R have sealed rotors and anti-sample overflow prevents accidental leakage

Seals within the aluminum alloy rotor

Three rubber seals fitted to achieve bio-safe condition



Rotor Features

Fully autoclavable

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

Three-layer seal

SCI-24 & SCI-1524R rotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

Mechanical safety

SCILOGEX 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	SCI-24
Max. Speed	15000rpm(200-15000rpm), increment:10rpm
Max. RCF	21380 × g, increment:10 × g
Speed Accuracy	± 20 rpm
Rotor Capacity	5mL × 18, 5mL culture tubex12 0.2mL/0.5mL/1.5mL/ 2mL × 24, 0.5mL × 36,PCR8 × 4
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	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
Certification	CE cTÜVus FCC MCA
Other functions	Speed/RCF switch; Short-time run function; sound-alert function

Available rotors

AS24-2

Cat. No.19400069

comes standard SCI-24 & SCI-1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity:

2mL/1.5mL × 24/0.2mL × 24/0.5mL × 24

Rotor material: Aluminum alloy (Bio sealing)

Available rotor adapters: A02P2,A05P2



AS18-5 (round bottom)

Cat. No.19400073

optional SCI-24 & SCI-1524R

Max. speed :15000rpm

Max. RCF:21380 × g

Rotor capacity:5mL × 18 (Round bottom)

Rotor material:Aluminum alloy
(Bio sealing)



AS12-5V (cone bottom)

Cat. No.19400070

optional SCI-24 & SCI-1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity: 5mL × 12(Cone bottom)

Rotor material: Aluminum alloy
(Bio sealing): Yes



Optional adapters

A02P2

Cat. No.19500001

0.2mL rotor adapter

Used with A12-2, A12-2P, AS24-2 and A24-2P
rotors 24pcs/pk



AS36-05

Cat. No.19400071

optional SCI-24 & SCI-1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity: 0.5mL × 36,0.2mL × 36

Rotor material: Aluminum alloy

Bio-safe(Bio sealing): Yes

Available rotor adapters: A02P05



A05P2

Cat. No.19500002

0.5mL rotor adapter

Used with A12-2, A12-2P, AS24-2
and A24-2P rotors
24pcs/pk



AS4-PCR8

Cat. No.19400072

optional SCI-24 & SCI-1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity:0.2mL/PCR8 × 4

Rotor material: Aluminum alloy

Bio-safe(Bio sealing): Yes



A02P05

Cat. No.19500003

0.2mL rotor adapter

Used with AS36-05 rotor
36pcs/pk



Hematocrit Centrifuges

SCILOGEX hematocrit centrifuge with AC24P hematocrit rotor is used for determination of volume fractions of erythrocytes in blood for diagnostic purposes and doping tests. Also it is used for the photometric determination of bilirubin content in neonate blood samples. Hematocrit centrifuge with A24-2P tube rotor, can be used for extraction of DNA and RNA.



SCI24-H Hematocrit Centrifuge

Features:

- Speed range of 200-14000rpm, max. RCF 18620×g
- Precise control of speed and time separately
- Easy operation with intuitive menu and easy-to-read display
- Maintenance-free brushless DC motors
- Pulse operation for quick spins
- Rotor capacity: Hematocrit rotor:
- Hematocrit rotor: 24 capillary max. speed: 12000rpm
- Tube rotor: 1.5/2mL×24 max. speed: 14000rpm



SCI24-EH Economical Hematocrit Centrifuge

Features:

- Max. speed is 12000rpm, max. RCF 13680×g
- Precise control of speed and time separately
- Rotor capacity: Hematocrit rotor: 24 capillary

Specifications

	SCI24-H	SCI24-EH
Speed Range	200-14000rpm, increment: 10rpm	500-12000rpm, increment: 100rpm
Max. RCF	18620×g	13680×g
Speed Accuracy	±20	±100
Rotor Capacity	24 capillaries	24 capillaries
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, Imbalance protection
Acceleration/Braking time	30s ↑ 30s ↓	40s ↑ 40s ↓
Power	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	10kg	10kg
Certification	CE cTUVus FCC MCA IVD	-
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function	Speed/RCF switch; Short-time run function; sound-alert function

SCI24-H/SCI24-EH | Rotors and Adapters

Available rotors



A24- 2P

SCI24-H

Cat. No. 19400013

Max. speed: 14000rpm

Max. RCF: 18620×g

Rotor capacity: 2mL/1.5mL×24, 0.2mL×24, 0.5mL×24

Rotor material: High strength plastic

Available rotor adapters: A02P2, A05P2, A10P15 & Mat



AC24

SCI24-H & SCI24-EH

Cat. No. 19400047

Max. speed: 12000rpm

Max. RCF: 13680×g

Rotor capacity: capillary tubes x24

Rotor material: High strength aluminum

Available adapters



A02P2

Cat. No. 19500001

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



A05P2

Cat. No. 19500002

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



A02P05

Cat. No. 19500003

Rotor adapter, used with A12-10P, 12pcs/pk

Clinical Centrifuges

SCI412 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

The SCI412 is ideal for separation of whole blood components, such as serum, plasma, buffy coat, red blood cells, as well as other bodily fluids.

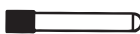
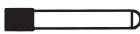


Specifications	SCI412
Speed Range	300–4500rpm, increment: 100rpm
Max. RCF	2490 × g
Speed accuracy	± 20rpm
Rotor type	A12–10P, A6–50P
Run Time	30sec–99min HOLD (Continuous operation)
Motor	Brushless DC motor
Display	LCD
Safety Devices	Door interlock, Overspeed detector; Automatic internal diagnosis
Acceleration/Braking time	A12–10P: 20s ↑ 13s ↓ A6–50P: 20s ↑ 20 s /90 s ↓
Power	Single-phase, 100V–240V, 50Hz/60Hz, 3A70W
Dimension[WxDxH]	354 × 304 × 215mm
Weight	6kg
Certification	CE cTÜVus
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function

Rotors

A12-10P (round bottom)	Cat. No.19200348	A6-50P (round bottom)	Cat. No.19100197
comes standard SCI412 Max. speed: 4500rpm Max. RCF: 2490 × g Rotor capacity: 8x15mL, 12x10mL Rotor material: High strength plastic		optional SCI412 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			9.8	2218
8.5–10mL vacu 	12	16 × 107		4500	11	2490
2.7–3mL(EU) collection tube 	12	11 × 66	A10P15 & Plug 	4500	9.8	2218
7.5–8.2mL(EU) collection tube 	12	15 × 92	A10P15 	4500	11	2490

The SCILOGEX SCI506 low-speed centrifuge is supplied with a fixed angle rotor which can hold up to 6 x 15mL/10mL/7mL/5mL tubes (adapters included). It is widely used for blood or urine separation in medical routine practice in hospitals, clinics or research institutes.

SCI506

Low-speed Centrifuge



Features

- Speed range 300-5000rpm
- Rotor speed can be set and displayed in RPM or G-force
- Two memory programs
- Two deceleration speeds setting to meet different requirements
- Easy-to-read display
- Automatic lid-lock release
- Maintenance-free brushless DC motor



Specifications

SCI506

Speed Range	300-5000rpm, increment:10rpm
Max. RCF	2350xg, increment: 10g
Speed accuracy	±20rpm
Rotor capacity	6x15mL/10mL/7mL/1.5-5ml
Run Time	30sec-99min, HD(continuous running)
Display	LCD
Programs Memory	2
Acceleration/Deceleration	1 ↑ 2 ↓
Safety Devices	Door interlock, Overspeed detector, Automatic internal diagnosis
Motor	Brushless DC motor
Power	Single-phase, 100V-240V,50Hz/60Hz, 70W
Dimension(WxDxH)	300X240X180mm
Weight	11lbs

Advanced features

Speed/RCF switch; sound-alert function

Included adapters



A5P17

Cat. No.19500022

5ml adapter, for 13 x 75mm blood collection tubes



A2P17

Cat. No.19500023

1.5/2.0ml Cryogenic Vials/ centrifuge tube adapter



Multi-Purpose Low Speed Centrifuge

SCI636

SCIOGEX **SCI636** Multi-Purpose Low-speed Centrifuge is ideal for the centrifugation of samples in clinical chemistry, cytology, research laboratories, industrial laboratories, etc. This centrifuge is suitable for tubes with caps, blood collection or urine tubes. Swing-out bucket rotors and adapters can be compatible with standard tubes up to 100mL at low speed.

SCI636 Multi-Purpose Low-speed Centrifuge

Features

- Speed can be set from 300- 6000rpm
- Maximum capacity of the centrifuge: 100 mLx4
- 9 Acceleration/10 Brake speed settings to ensure optimal separation
- A wide range of accessories(fixed angle and swing-out bucket rotors)
- Automatic rotor identification
- Timers can be set up to 99 min. for short run/ continuous run
- 9 procedures stored in memory makes the operation much simplified
- Maintenance-free brushless DC motors



Specifications

SCI636	
Speed range	300-6000rpm increment:10rpm
Max. RCF	4300xg
Speed accuracy	±20rpm
Max. Capacity	100mLx4
Run Time	30sec-99mins/continuous
Motor	Brushless DC
Display	LCD
Program Memory	9
Safety Devices	Door Imbalance protection Over speed & Over temperature detection
Acceleration/Deceleration time	9 ↑ /10 ↓
Power	660W; Single-phase AC220V-240V, 50Hz/60Hz, 6.3A; AC110V-120V,50Hz/60Hz,10A
Dimension[WxDxH]	445x579x269mm
Weight	36kg
Certification	CE cTUVus FCC IVD
Advanced features	speed/rcf switch; Rotor identification

SCI636 Rotor Options

Cat. No.19400041

comes standard SCI636

Max. speed: 4000rpm

Max. RCF: $2950 \times g$

Rotor material: stainless steel body and adapter

[illegible]

SCI636 Rotor Options

S2-MP

Cat. No.19400062

DM0636

Max. speed: 4000rpm
Max. RCF: 2200 × g
Rotor capacity: Micro-plates
384-PCR/96-PCR/Elisa
plates × 8pcs; Deep well plates × 4pcs
Rotor material: stainless steel body



AS6-50V (cone bottom)

Cat. No.19400038

DM0636

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



AS12-PCR8

Cat. No.19400036

DM0636

Max. speed: 6000rpm
Max. RCF: 4020 × g
Rotor capacity: PCR 8 trips × 12
Rotor material: aluminum
Biosealing: Yes



AS18-5V (cone bottom)

Cat. No.19400035

DM0636

Max. speed: 6000rpm
Max. RCF: 4020 × g
Rotor capacity: 5mL × 18
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: 2mL × 30
Rotor material: aluminum
Biosealing: Yes



A8-50 (round bottom)

Cat. No.19400039

DM0636

Max. speed: 5000rpm
Max. RCF: 3960xg
Rotor capacity: 50mL × 8 or
15mLx16
Rotor material: aluminum body
and stainless steel adapter
Default adapters: SE100P31x8,SE100P17x6



AS60-2

Cat. No.19400037

DM0636

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



A30-15 (round bottom)

Cat. No.19400040

DM0636

Max. speed: 4500rpm
Max. RCF: 3210xg
Rotor capacity: 15mL × 30
Rotor material: aluminum body and
stainless steel
adapter Bio-safe(Biosealing): Yes



SCI-2101UV

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	SCI-2101UV
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	1nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$, $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	$0.2\%T(0\sim 100\%T)$, $\pm 0.002A(0.0\sim 0.5A)$, $\pm 0.004A(0.5\sim 1A)$
Photometric Repeatability	$\leq 0.15\%T(0\sim 100\%T)$, $0.001A(0\sim 0.5A)$, $0.002A(0.5\sim 1A)$
Photometric Range	$0\sim 200\%T$, $-0.3\sim 3A$, $0\sim 9999C(0\sim 9999F)$
Stray Light	$\leq 0.03\%T@220\text{nm}$, 360nm
Stability	$\pm 0.0003A/h @500\text{ nm}$
Baseline Flatness	$\pm 0.001A$
Noise	$0.0005A@500\text{nm}$
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Imported Deuterium & Tungsten lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	26kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software

SCI-2102UV

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	SCI-2102UV
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	2nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$, $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	$0.2\%T(0\sim 100\%T)$, $\pm 0.002A(0\sim 0.5A)$, $\pm 0.004A(0.5\sim 1A)$
Photometric Repeatability	$\leq 0.15\%T(0\sim 100\%T)$, $0.001A(0\sim 0.5A)$, $0.002A(0.5\sim 1A)$
Photometric Range	$0\sim 200\%T$, $-0.3\sim 3A$, $0\sim 9999C(0\sim 9999F)$
Stray Light	$\leq 0.03\%T@220\text{nm}$, 360nm
Stability	$\pm 0.0003A/h @500\text{nm}$
Baseline Flatness	$\pm 0.001A$
Noise	$0.0005A@500\text{nm}$
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Imported Deuterium & Tungsten lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	26kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software

SCI-3101UV

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	SCI-3101UV
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	1nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$, $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	$0.2\%T(0\sim 100\%T)$, $\pm 0.002A(0\sim 0.5A)$, $\pm 0.004A(0.5\sim 1A)$
Photometric Repeatability	$\leq 0.15\%T(0\sim 100\%T)$, $0.001A(0\sim 0.5A)$, $0.002A(0.5\sim 1A)$
Photometric Range	$0\sim 200\%T$, $-0.3\sim 3A$, $0\sim 9999C(0\sim 9999F)$
Stray Light	$\leq 0.03\%T@220\text{nm}$, 360nm
Stability	$\pm 0.0003A/h @500\text{nm}$
Baseline Flatness	$\pm 0.001A$
Noise	$0.0005A@500\text{nm}$
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Imported Deuterium & Tungsten lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	27kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software

SCI-3102UV

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	SCI-3102UV
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	2nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$, $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	$0.2\%T(0\sim 100\%T)$, $\pm 0.002A(0\sim 0.5A)$, $\pm 0.004A(0.5\sim 1A)$
Photometric Repeatability	$\leq 0.15\%T(0\sim 100\%T)$, $0.001A(0\sim 0.5A)$, $0.002A(0.5\sim 1A)$
Photometric Range	$0\sim 200\%T$, $-0.3\sim 3A$, $0\sim 9999C(0\sim 9999F)$
Stray Light	$\leq 0.03\%T@220\text{nm}$, 360nm
Stability	$\pm 0.0003A/h@500\text{nm}$
Baseline Flatness	$\pm 0.001A$
Noise	$0.0005A@500\text{nm}$
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Imported Deuterium & Tungsten lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	27kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software

SCI-5101XUV

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 service life saves you the trouble of changing lamps;
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc. are all available.



Specifications	SCI-5101XUV
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	1nm
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all
Wavelength Repeatability	≤0.1nm
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)
Photometric Repeatability	≤0.15%T(0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric Range	0-200%T, -0.3~3A, 0-9999C(0-9999F)
Stray Light	≤0.03%T@220nm, 360nm
Stability	±0.0003A/h @500 nm
Baseline Flatness	±0.001A
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Xenon lamp light
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	27kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software

SCI-5102XUV

**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 service life saves you the trouble of changing lamps;
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc. are all available.

Specifications	SCI-5102XUV
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	2nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$, $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	$0.2\%T(0\sim 100\%T)$, $\pm 0.002A(0-0.5A)$, $\pm 0.004A(0.5-1A)$
Photometric Repeatability	$\leq 0.15\%T(0-100\%T)$, $0.001A(0-0.5A)$, $0.002A(0.5-1A)$
Photometric Range	$0-200\%T$, $-0.3\sim 3A$, $0-9999C(0-9999F)$
Stray Light	$\leq 0.03\%T@220\text{nm}$, 360nm
Stability	$\pm 0.0003A/h @500\text{nm}$
Baseline Flatness	$\pm 0.001A$
Noise	$0.0005A@500\text{nm}$
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Xenon lamp light
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	27kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software

Accessories



item No. 18901008

Film holder for double beam models
1mm(H)*10mm(W)*30mm(L)



item No. 18901009

Cuvette holder for double beam
1-5cm



item No. 18901010

Film holder for double beam models
1mm(H)*10mm(W)*30mm(L)



item No. 18204256

Cuvette holder for double beam
1-5cm



item No. 18901011

Xenon lamp (A510KU) 10V



item No. 18901012

Integrating Sphere
95mm(L)* 101mm(W)* 99mm(H)



item No. 18901013

Automatic 8-position cell holder
1cm



item No. 18901014

Automatic 5-position cell holder
1cm-5cm

Single Beam Spectrophotometers

Scilogex spectrophotometers are an indispensable instrument routinely used in colleges, universities and research institutes for quantitative analysis in fields including biotechnology and quality control of new material developed. V-Series provides high resolution, high performance and excellent stability.



Features

User Friendly Operation and Information Rich LCD Display: The large 128 x 64 dots, backlit LCD screen with adjustable brightness control displays a large array of data also in graphical format.

On-Board Data Storage: The System can save the test results, up to 200 groups of data and 200 standard curves in the RAM memory.

Data can be restored after a sudden power failure.

Auto setting wavelength: To set wavelength automatically to calibrate the system through arrow keys to avoid operation errors.

Automatic Switching: Tungsten & Deuterium lamps switching is automatic. Selectable from a wavelength range of 190 to 1100nm.

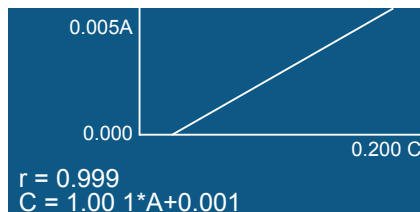
PC control through application software: The spectrophotometer is fully equipped and capable of executing all functions in stand-alone mode. The optional application software '**Wave Professional**' provides computer control for the spectrophotometer (through the built-in USB port), apart from other functions such as spectrum scan, Time scan(kinetics), multi-wavelength scanning & Nucleic Acid /Protein measurement. (SCI-V1100/SCI-UV1100 models only)

Large sample compartment: To accommodate 5–100mm path length cuvettes with optional holders. A variety of optional accessories are available.

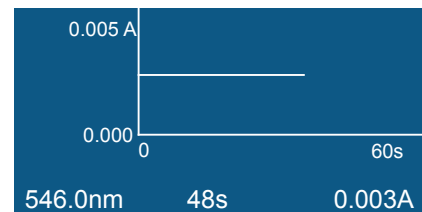
Basic Mode

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

Quantitative



Kinetics



Single Beam Spectrophotometers



Model	SCI-V1000	SCI-UV1000	SCI-V1100	SCI-UV1100
Optical System	Single Beam	Single Beam	Single Beam	Single Beam
Light Source	Tungsten lamp	Tungsten lamp & Deuterium lamp	Tungsten lamp	Tungsten lamp & Deuterium lamp
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 (	≤0.002 A/h @ 500 nm	≤0.002 A/h @ 500 nm	≤0.002 A/h @ 500 nm
Stray Light	≤0.2%T @ 360nm	≤0.2%T @ 220&360nm	≤0.05%T @ 360nm	≤0.05%T @ 220 & 360nm
Sample Compartment	4-position, 10mm pathlength cuvette	4-position, 10mm pathlength cuvette	4-position, 10mm pathlength cuvette	4-position, 10mm pathlength cuvette
Display	LCD	LCD	LCD	LCD
Output	USB Port & Parallel Port (Printer)	USB Port & Parallel Port (Printer)	USB Port & Parallel Port (Printer)	USB Port & Parallel Port (Printer)
Power	110/220VAC, 50/60Hz, 80W	110/220VAC, 50/60Hz, 120W	110/220VAC, 50/60Hz, 80W	110/220VAC, 50/60Hz, 120W
Dimension(LxWxH)	490×360×210mm	490×360×210mm	490×360×210mm	490×360×210mm
Weight	10kg	12kg	10kg	12kg

Spectrophotometer | Accessories



Cat. No. 18900337
Micro Cell holder



Cat. No. 18900340
8-position auto cell changer
(for SCI-V1100&SP-UV1100)



Cat. No. 18900331
4-cell holder for 10mm squ.cuvette



Cat. No. 18900332
4-cell holder for 10mm
to 50mm squ. cuvette



Cat. No. 18900333
4-cell holder for up to
100mm squ.cuvette



Cat. No. 18900338
Test tube holder(ø8-ø22mm)



Cat. No. 18900334
cylindrical cell holder(ø16mm)



Cat. No. 18900339
solid sample holder
(ø1.5-3mmø1 position)



Cat. No. 18900335
10mm water-jacketed
(for SCI-V1100 & SCI-UV1100)



Cat. No. 18900336
10mm water-jacketed 4-cell holder
(for SCI-V1100 & SCI-UV1100)



Square cuvettes glass/quartz
1-5mm/10-100mm



Cat. No. 18900341
12V20W halogen lamp



Cat. No. 18900342
Milas deuterium lamp,10V,300mA, 30W
(for SCI-UV1000 & SCI-UV1100)



Dilvac Range of Products

Dewar Flasks and
Portable Dry Ice Maker

Applications of Dewar Flasks



Pharmaceutical & Life Sciences

- **Sample storage & transport** – Maintaining temperature-sensitive pharmaceuticals, vaccines, and biological samples.
- **Cryopreservation** – Storing cells, tissues, and other biological specimens at ultra-low temperatures.
- **Stability testing** – Using dry ice and Dewars to simulate cold chain logistics conditions.
- **Clinical trials** – Transporting trial samples under strict temperature controls.



Laboratory & Research

- **Cryogenic liquid handling** – Safely storing and dispensing liquid nitrogen or dry ice for experimental protocols.
- **Specimen freezing** – Flash-freezing biological specimens for molecular biology or histology.
- **Low-temperature reactions** – Supporting chemical reactions requiring sub-zero conditions.
- **Sample snap freezing** – For preserving RNA/DNA integrity in genomics and proteomics work.



Logistics & Cold Chain

- **Shipping perishable goods** – Maintaining required temperatures for items like reagents or food samples.
- **Backup temperature control** – Providing passive cooling during power outages or transport delays.



Agriculture & Food Industry

- **Food sample preservation** – Keeping test samples at safe temperatures during transport and testing.
- **Cryogenic grinding** – Flash freezing food for fine particle milling without degradation.



Forensics & Law Enforcement

- **Evidence preservation** – Storing biological or trace evidence (e.g., blood, DNA) during transport.
- **Crime scene investigation kits** – Including Dewars or dry ice for temporary storage in field conditions.



Health, Hygiene & Diagnostics

- **Transport of diagnostic kits** – Ensuring rapid and safe transport of temperature-sensitive test kits.
- **Specimen preservation in pathology** – Dewars and dry ice preserve sample integrity for accurate diagnosis.
- **Vaccine cold chain** – Supporting safe distribution of vaccines that require sub-zero storage.

DEWAR FLASKS BY DILVAC



For safe use & transportation of liquid gases
LABORATORY RANGE

Dewar Flasks

Designed for safe use, handing and transportation of liquid gases. All Dilvac Dewar flasks by Day-Impex are manufactured to exacting standards and represent the highest quality units available today for laboratory use to provide lasting performance.



Dilvac Dewar flasks in containers all utilise the proven borosilicate glass inner vessels. Offered in stove-enamalled steel and hygienic satin finish stainless steel, with capacities ranging from 200cc to 10 litres.

The Dewars are designed with practicality and safety in mind. Many of the range of 21 models have features such as vented, clamped lids, carrying handles and rubber-cushioned bases.



Dewar Flasks are also commonly referred to as Vacuum Flasks, Thermos Flasks, and Cold Storage Containers.





Universal Style: With Handle and Lid

Fitted in highest-quality stainless steel containers, therefore rust-free, anti-corrosive, all hygienic and strong.

These Dewars have an all stainless steel lid with self-contained insulation. Toggle-clamps secure the lid to the body for safe transportation.



Shallow Form with Wide Mouth

Wide-mouthed shallow glass Dewar Flasks are dish-shaped, fitted in stainless steel protective containers. Can be used with a magnetic stirrer, designed to accept standard boiling flask up to 2 litres in capacity, for rapid freezing tempering of stirring rods, pestles, etc.

The shallow form configuration allows for minimum amount of coolant to be used.



Blue Enamelled Mild Steel: Wide and Narrow Mouth

A range of low-cost utility Dewar flasks specially designed for laboratory, hospital and industrial use. Safe for use with all liquid gases and ideal for cold traps.

High-quality borosilicate glass inner flasks, ultra-low evacuated in attractive blue stove-enamelled steel outer container, available in 8 capacities.

There are also 4 sizes in this multi-purpose range with models that have an insulated lid, fold-down carrying handle and cushioned base to prevent benchtop damage.



Vacuum-insulated Stainless Steel Flasks

These vacuum-insulated Dewar flasks are made entirely of stainless steel and are designed specifically for those special applications where no glass can be used.

Lightweight and compact in 6 standard sizes from ½ litres to 6 litres capacity, these Dewars are designed for low temperature and high-temperature applications.



DILVAC glass Dewars and Specials

Skilfully made in borosilicate glass, DILVAC Dewars are ultra-low evacuated to allow the safe and efficient handling of all liquified gases, freezing-mixtures and specimens.

A wide of sizes and capacities can be supplied either fully silvered, silvered with viewing-strips, or unsilvered. Tailed, spherical or any special shape of Dewar flask can be manufactured by our craftsmen in our well-equipped factory.



Universal Blue Enamelled Mild Steel: With Lid and Handle

This range offers a lower-cost alternative to the stainless steel range and are identical dimensionally inside and out to their stainless steel cousins. This makes them ideally suitable for longer-term transportation of liquids and specimens.

Models DSS 1000 to DSS 6000 each have a detachable steel handle.

These Dewars can be used for ultra-low or very high-temperature applications. From the storage and transportation of dry ice (-80°C), liquid nitrogen (-196°C) right up to high temperature ovens of +300°C. For use in physics, chemistry and biological situation, cold traps, oil baths, water baths; for the storage or carrying of frozen substances; for heat tempering or transporting high temperature objects, for medical study of frozen cells etc. The list of applications is endless.

We can repair, re-silver or re-pump any damaged Dewar you may have. Ice-bowls and refills for other proprietary brand vacuum flasks can also be supplied, no matter how old they are or where they came from. For these and all other special requirements, we are pleased to advise and assist you in any way we can.

MODEL NO.	CAPACITY (Litres)	INTERNAL (Diameter x Depth - mm)	OVERALL (Diameter x Depth - mm)	NET WEIGHT (kg)
DSS500	0.5	65 x 180	87 x 204	0.46
DSS1000	1.0	85 x 206	107 x 232	0.85
DSS1000W	1.0	100 x 157	122 x 177	0.63
DSS2000	2.0	100 x 285	122 x 313	1.23
DS3000	3.0	185 x 160	200 x 190	1.50
DS6000	6.0	185 x 270	200 x 300	2.12

Standard Sizes, Capacities and Refills

Containers and Glass Refills

TYPE	CONTAINER REF.	SIZE (Dia. x Height mm)	REFILL REF.	SIZE (Dia. x Height mm)	CAPACITY
Stainless Steel Container (with clamp lid attachment, vent and handle)	SS111	116 x 228	470111	85 x 185	1.0 L
	SS222	142 x 268	470222	109 x 205	2.0 L
	SS333	182 x 350	470333	150 x 280	4.5 L
	SS700	245 x 335	470700	200 x 285	7.0 L
Stainless Steel Container (shallow form, no handle or lid)	SS77SH	105 x 75	47077SH	75 x 50	0.17 L
	SS100SH	130 x 90	470100SH	99 x 65	0.38 L
	SS115SH	150 x 95	470115SH	99 x 65	0.57 L
	SS138SH	175 x 105	470138SH	114 x 70	1.0 L
	SS150SH	186 x 138	470150SH	129 x 80	1.9 L
Enamelled Steel Container (with handle and lid)	MS111	116 x 228	470111	85 x 185	1.0 L
	MS222	142 x 268	470222	109 x 205	2.0 L
	MS333	182 x 350	470333	150 x 280	4.5 L
	MS200	245 x 445	470200	200 x 285	10.0 L
Enamelled Steel Container (with clamp lid attachment, vent and handle)	MS111+C	116 x 228	470111+C	85 x 185	1.0 L
	MS222+C	142 x 268	470222+C	109 x 205	2.0 L
	MS333+C	182 x 350	470333+C	150 x 289	4.5 L
Enamelled Steel Container (with no handle or lid)	MS40	68 x 215	47040R	41 x 70	0.2 L
	MS57	81 x 350	47057R	55 x 315	0.7 L
	MS67	94 x 285	47067R	66 x 240	0.75 L
	MS77	106 x 275	47077R	75 x 235	1.1 L
	MS90	126 x 290	47090R	90 x 240	1.5 L
	MS100A	137 x 280	470100AR	104 x 240	1.5 L
	MS100B	137 x 330	470100BR	104 x 290	2.0 L
	MS135	175 x 290	470135R	134 x 230	3.0 L

Applications of Dry Ice Maker



Laboratory & Research

- **Sample preservation** – Rapid cooling or freezing of biological, clinical, or chemical samples.
- **Cryogenic grinding** – Freezing samples before pulverisation to prevent degradation during processing.
- **Cold traps** – Creating dry ice for use in vacuum systems and solvent evaporation setups.
- **Fieldwork logistics** – Portable dry ice production for off-site sample handling or temporary storage.



Pharmaceutical & Biotech

- **Cold chain management** – Ensuring medicines, vaccines, or diagnostic kits remain stable during transit.
- **Clinical trials** – On-site production of dry ice for precise, low-temperature handling of trial samples.
- **Tissue transport** – Keeping biological materials (e.g. organs, biopsies, tissue cultures) cold in transit.



Forensics & Law Enforcement

- **Evidence preservation** – Keeping forensic samples like blood, tissue, or DNA viable in transit.
- **Crime scene management** – Mobile cooling option in remote or temporary setups.



Food & Beverage

- **Cold transport** – Maintaining freshness of perishables or specialty items (e.g. seafood, dairy).
- **Presentation & special effects** – Used in catering and food styling for visual impact (e.g., fog effects).



Health, Hygiene & Diagnostics

- **Infection control logistics** – Temporary cooling for temperature-sensitive disinfectants or reagents.
- **Mobile diagnostic units** – Generating dry ice where commercial supply is unavailable or inconsistent.



Medical & Healthcare

- **Pathology labs** – Preserving biopsy specimens and tissue samples before analysis.
- **Dental/medical transport** – Cold storage for sensitive equipment or compounds during shipping.
- **Cryotherapy prep** – Generating dry ice for use in minor skin treatments or therapeutic cooling.



Industrial & Engineering

- **Shrink fitting** – Cooling metal parts with dry ice to contract them before assembly.
- **Machinery maintenance** – Removing adhesives, resins, or residues via dry ice blasting.
- **Thermal testing** – Simulating extreme cold for stress testing of components.



Shipping & Logistics

- **Packaging support** – Creating dry ice for temperature-controlled packaging in-house.
- **Emergency cooling** – Backup for refrigeration failures or temperature-sensitive emergencies.

DILVAC DRY ICE MAKER



Dry Ice Maker
LABORATORY RANGE

Dewar Flasks

The DILVAC Portable Dry Ice Maker is the fastest way of providing a block of dry ice to your laboratory.



It is compact and lightweight, requires no electric power, and is safe and simple to use. Most importantly, it is always there in the lab to give you immediate access to dry ice when you need it.

The economy of having your dry ice 'on tap' can provide considerable financial savings over a relatively short period as the cost of having dry ice delivered to your lab can be prohibitive.

The DILVAC Portable Dry Ice Maker produces a block of approx. 1kg in weight in less than 2 minutes, and all you have to do is connect the unit to a cylinder of CO₂ (with an internal siphon), and unscrew the valve.



WARNING

Gaseous CO₂ vapours can cause suffocation, so use the unit only in well-ventilated areas. Also, use the unit only on a level supporting surface. Never allow the unit to hang from the feed hose.

Do not handle dry ice without gloves. It is very cold (circa -80°C).



How does it work?

The unit comes with easy to follow operating instructions. Briefly, this is how it works:

- Connect unit to liquid CO₂ cylinder and turn on. Monitor flow of liquid by means of pressure gauge provided
- When the block is made, turn off 'gas on' cylinder; unclip lid and sides of unit
- Remove block. Gloves must be worn. Replace sides and lid of unit to instantly make another block if required.

Specifications

Block Dimensions: 80 mm x 110 mm x 180 mm

Box Dimensions: 160 mm x 160 mm x 225 mm

Block Weight: 1 kg $\pm$ 10%

Yield from 34 kg cylinder: 5 – 6 blocks*

Please note we have adapter fittings for the USA and ROW so they can be adapted to work throughout the world.

The DILVAC Portable Dry Ice Maker works on the principle of adiabatic expansion (the Joule-Thompson effect).

The liquid CO₂ in the cylinder is at a pressure greater than 60 kg/cm², so when it is released into the unit, which is at atmospheric pressure, the liquid CO₂ vaporises and expands. As a result of this expansion, the liquid changes to snow and is compacted into a block within the unit. The block measures 80mm x 110 mm x 180 mm and weighs approx. 1 kg.

*A 34 kg cylinder at room temperature will contain approx. 30 kg of useable liquid CO₂, the balance is vapour, which does not convert to solid dry ice. Yield can be appreciably increased at lower ambient temperatures, i.e. @ 5°C approx. 1/3 more blocks may be produced.



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