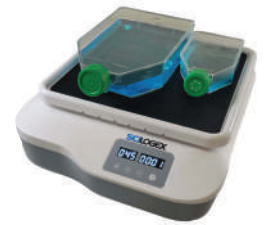


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23



2023

# Company Profile

SCIOGEX 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.

SCIOGEX 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.



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SCIOLOGEX products are manufactured in accordance with ISO9001 and ISO13485. All products comply with EU and North America standards, CE, cTUVus, FCC marked and subjected to the strict QC control.

SCIOLOGEX 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

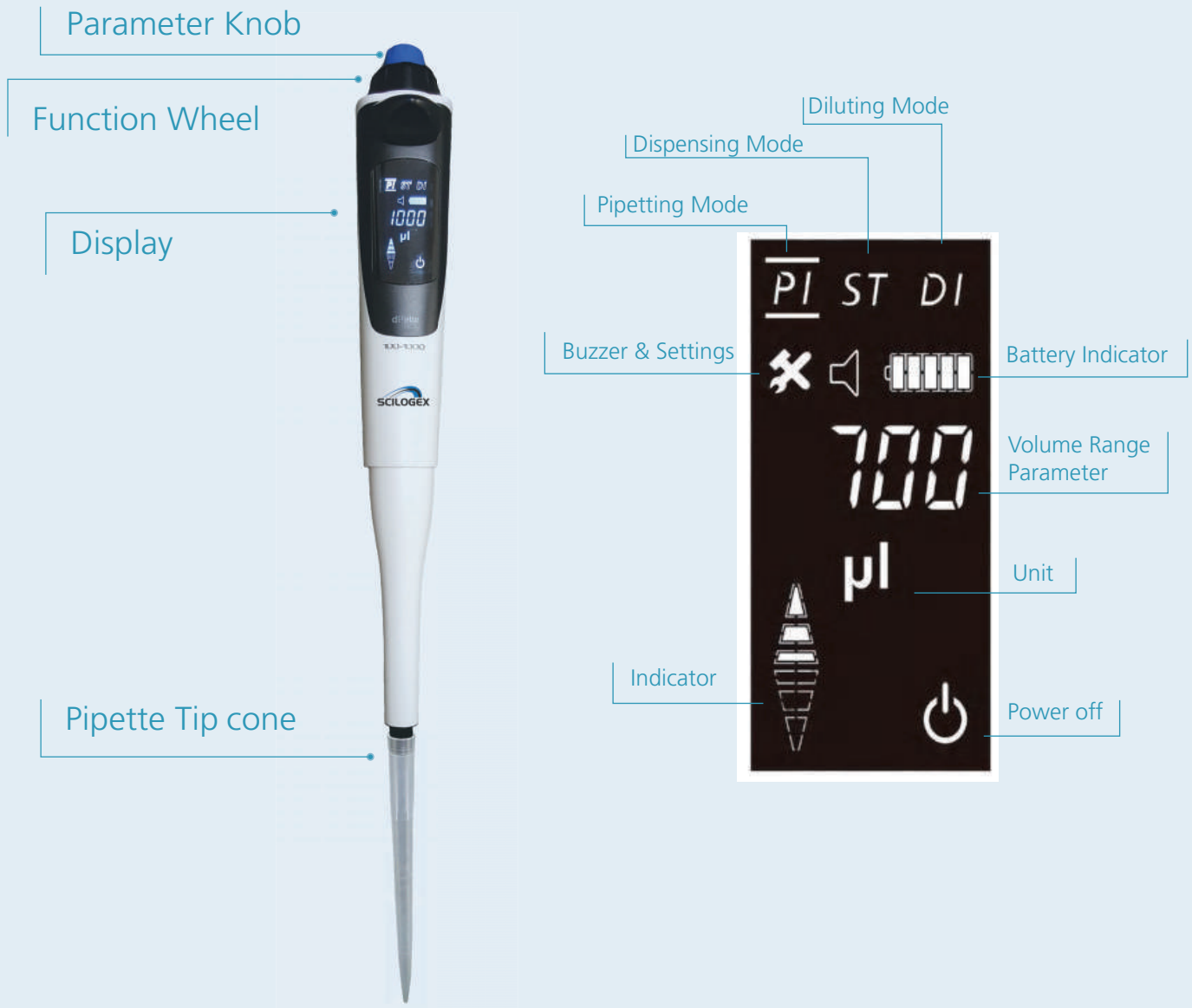
### Specifications

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

SCIOGEX 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.



**Function Wheel**  
Switch different functions pipetting, dispensing and mixing.

**Parameter Knob**  
Set and confirm all parameters.

**Motor Driven Digital Control**

**360° Rotation**  
Rotatable for convenient handling

**Ingenious Curved Ejector**  
The tips fit optimally without any extra force



- **Easy Operation**

Intuitive interface for setting functions and parameters.

- **Ergonomic Design**

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

- **Convenient and Versatile**

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

- **Dual charging modes**

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

### Three easy steps to operate iPette+

1

Long press the Parameter Knob for 2 seconds to Start

2

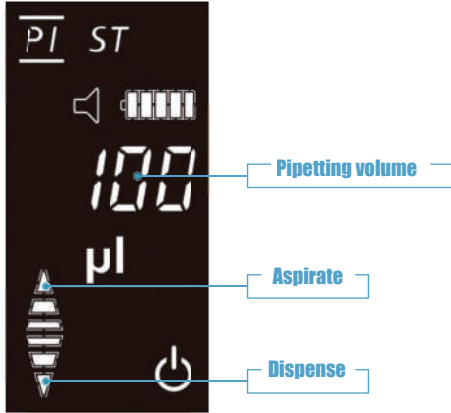
Quickly turn the Function Wheel to Activate, Rotate to Switch Pipetting, Continuous Dispensing, and other Function Settings

3

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

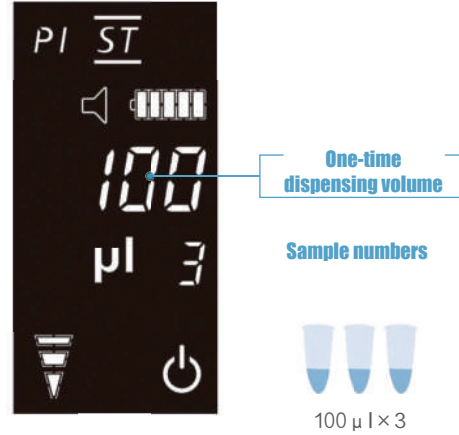
## Pipetting function

Parameter Knob press → Pipetting,  
Long press → Mixing



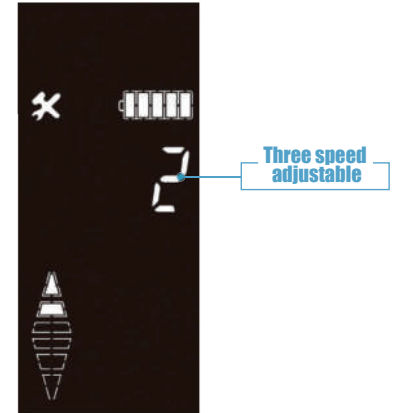
## Dispensing function

Dispensing times = Pipette max volume /  
Single sample volume



## Other function

Pipetting speed adjustment  
Key tone adjustment



## Complimentary Pipette Holder

Supports dual charging mode

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



USB Charging



## 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 SCIOLOGEX 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

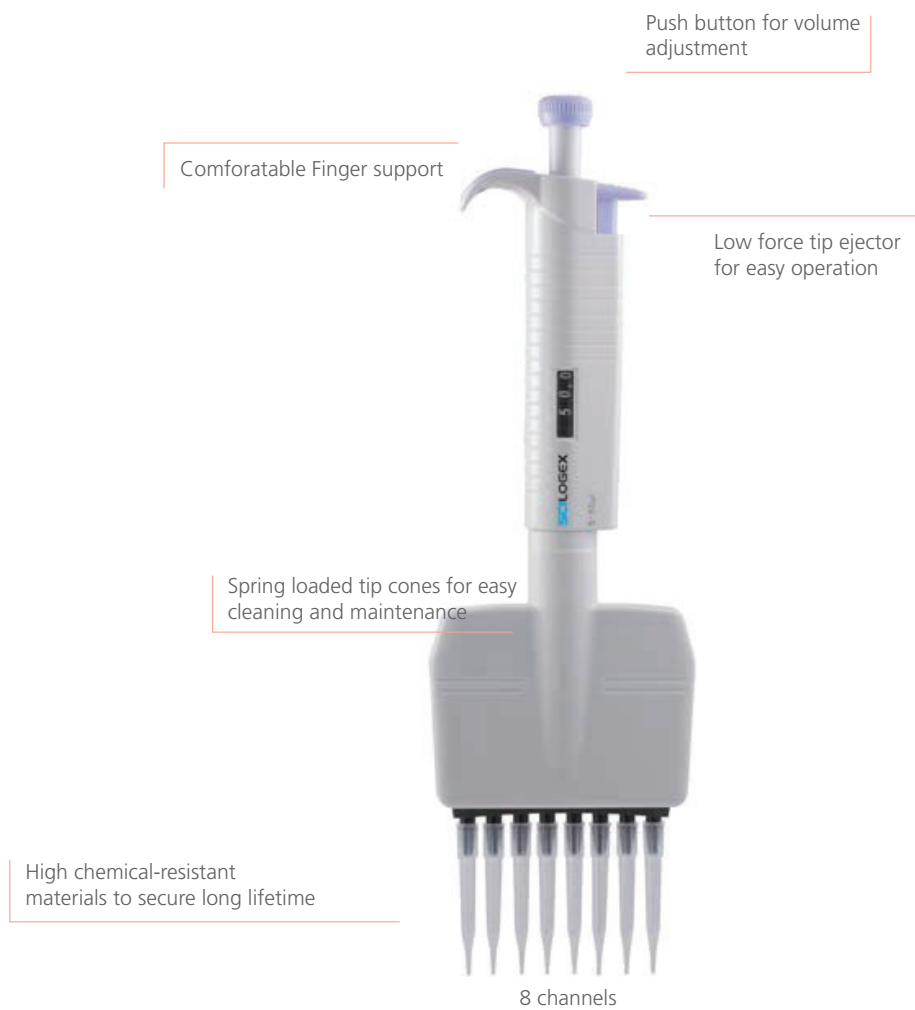
121°C  
FULLY  
Autoclavable

## 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



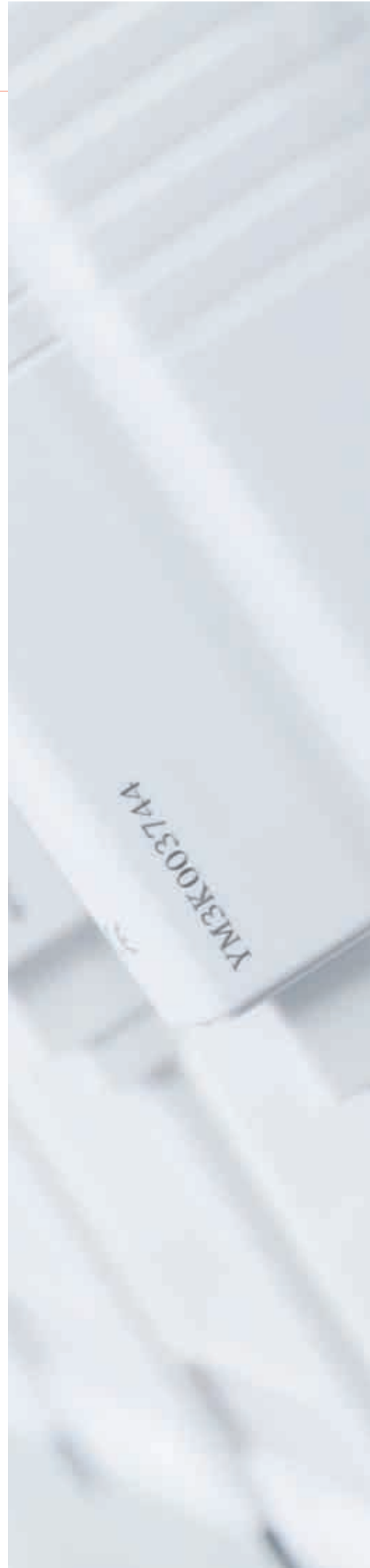
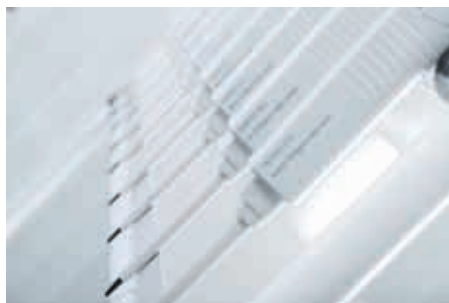
# MicroPette Plus



## 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.



# MicroPette

## Features

- Pipettes cover a volume range from 0.1 µL to 10mL
- Ergonomic design provides excellent operating experience
- Large display window allows for easy volume identification
- Easy calibration and maintenance
- Each MicroPette supplied with an individual calibration certificate according to ISO8655
- Online calibration is available

121°C  
HALF  
Autoclavable



## MicroPette multi-channel

121°C  
HALF  
Autoclavable

## Features

- 8 and 12 channel pipettes are appropriate for 96 well plates
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assemblies allowing easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands
- Online calibration is available



# MicroPette



## Calibration

All SCIOLOGEX pipettes have been quality tested according to ISO8655-2:2002 and are supplied with individual calibration certificates. The quality control includes gravimetric testing of each pipette with distilled water at 22°C



# 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

## 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

## Levo 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 10µL 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

### 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

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

Tip volume

Dispensing Volume

Steps

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

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

Anti-drip screw-cap

Telescopic liquid inlet tube to accommodate most reagent bottles sizes

Fast & accurate volume adjustment

Supplied with 6 adapters to fit most reagent bottles



### 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 500mm<sup>2</sup>/s, temperature up to 40°C, density up to 2.2g/cm<sup>3</sup>;
- Flexible filling tube adapts to reagent bottles of various sizes.

### Specifications

Volume Range mL	Graduation mL	A <sub>±</sub>		CV <sub>≤</sub>	
		%	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. 500mm<sup>2</sup>/s,
- temperature max. 40°C, density max. 2.2g/cm<sup>3</sup>
- Dispensemate is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

## Specifications

Cat. No.	Volume Range mL	Graduation mL	A±		CV≤	
			%	µL	%	µL
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

## 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 100 $\mu$ L
Volume Accuracy	Dispenser: R = 10mL $\pm$ 30 $\mu$ L; CV = 10ml $\pm$ 10 $\mu$ L Stepper: R = 1mL $\pm$ 6 $\mu$ L; CV = 1ML $\pm$ 9 $\mu$ L
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Contro Type	External control



# 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

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

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

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

## 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



Hanging handles on both sides

Vacuum level indicator light

## Specifications

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

# Thermal Control





# Thermal Control

## SCI1000-G

Thermal Cycler Gradient

## SCI1000-S

Thermal Cycler

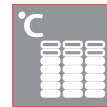
The SCIOLOGEX SCI1000-S and New SCIOLOGEX SCI1000-G gradient Thermal Cyclers deliver high performance, high throughput with easy programming via the color touch screen display. Excellent temperature uniformity and high speed ramping rates with outstanding heat conductivity.

### Features

- Reliable heating/cooling elements and precise temperature control
- Unique design of block ensures the temperature uniformity and repeatable results
- 7 inch Large color touch panel screen for easy programming with user friendly software
- High performance DSP and temperature control
- Fast heating and cooling rate
- Large user program storage







Excellent temperature uniformity



Gradient function (not available in the USA)



LCD touch panel



Excellent temperature accuracy



## Specifications

	SCI1000-G	SCI1000-S
Sample Capacity	96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate	96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate
Heating Temperature Range	4-105°C	4-105°C
Lid Temperature Range	30-110°C	30-110°C
Temperature Display Accuracy	±0.1°C	±0.1°C
Temperature Control Accuracy [at 55°C]	±0.3°C	±0.3°C
Temperature uniformity[at 55°C]	<0.3°C	<0.3°C
Max. Heating/Cooling Rate	3°C/Sec	3°C/Sec
Gradient Temperature Setting Range	30-99°C	-
Gradient Range	1-42°C	-
Adapter block material	aluminum	aluminum
Display	7" LCD 800x480	7" LCD 800x480
Input	Touch panel	Touch panel
User defined file system	Max. 30 segments 99 cycles max. 16 folder and 16 files each folder	Max. 30 segments 99 cycle max. 16 folder and 16 files each folder
Power off protection	Yes	Yes
Power Supply	100-120V/200-240V,50/60Hz	100-120V/200-240V,50/60Hz
Dimension[WxDxH]	280x370x250 mm	280x370x250 mm
Weight	11kg	11kg

# 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+1.5/2mL 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	DC 12V,100-240V, 50/60Hz	DC 12V,100-240V, 50/60Hz	DC 12V,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 Heating: room temp. - 110°C Cooling: room temp. - below room temp. 25°C
Temperature control accuracy[@20-45°C]	± 0.5°C
Temperature uniformity[@20-45°C]	Max ± 0.5°C
Max. heating rate	5.5°C/min
Max. cooling rate	2.5°C/min (100°C-room temp.) 0.5°C/min (below room temp.)
Screen	TFT
Program	9
Overheating protection	150°C
Adapter block material	aluminum
Voltage, Frequency	100-240V,50/60Hz
Power	200W
Dimension[WxDxH] ( without the heating block )	200x235x120mm
Weight	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: ±1°C Oil: ±3°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 <sup>2</sup>
Specification	Heating bath size	φ450×240mm
	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



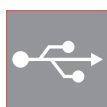
LCD Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It offers an excellent distilling solution in a wide range of applications.

### 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 1700cm<sup>2</sup>) 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

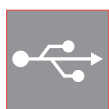
	SCI100-Pro
Motor Type	Brushless DC motor
Speed Range	20-280rpm
Display	LCD(speed,temperature, time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	±1°C
Heating Power	1300W
Stroke Displacement	automatic 150mm
Timer	Yes
Time Setting Range	1-999min
Dimension[D×W×H]	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. to 180°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 1200/1700cm<sup>2</sup> 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

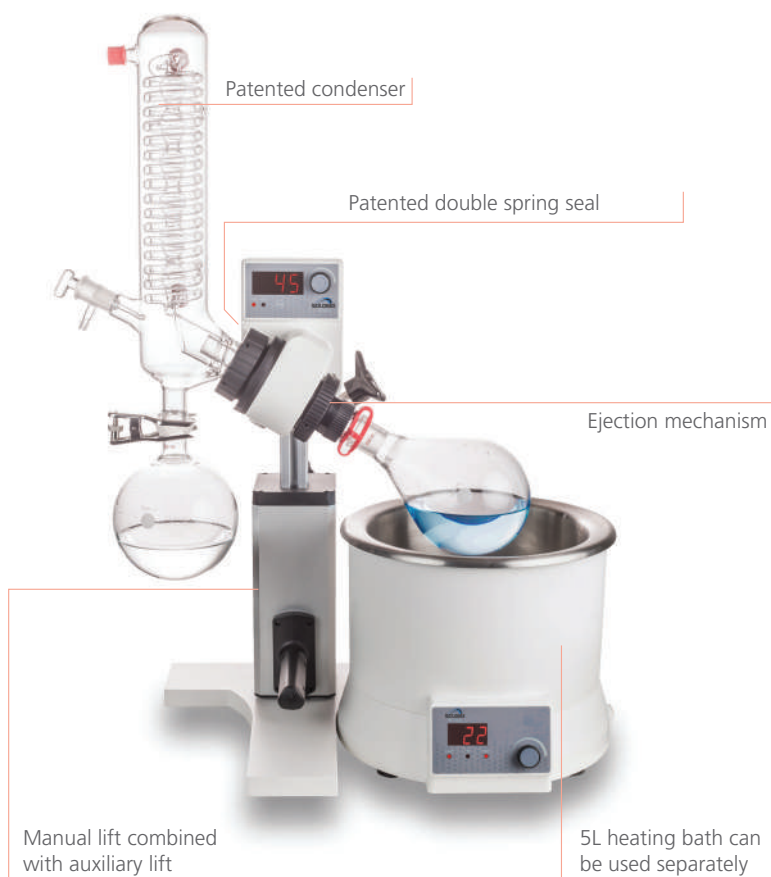


Overheating protection



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 <sup>2</sup>
18900173	Evaporating flask(NS24/40) Receiving flask(KS35/20)	1000mL	1700cm <sup>2</sup>
18900166	(COATED)Evaporatingflask(NS29/32) Receiving flask (KS35/20)	1000mL	1700cm <sup>2</sup>
18900174	(COATED)Evaporatingflask(NS24/40) Receiving flask (KS35/20)	1000mL	1700cm <sup>2</sup>
18202410	evaporating flask (NS 29/32) Receiving flask (KS 35/20)	1000mL	1200cm <sup>2</sup>



### Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask(NS29/32)Receiving flask(KS35/20)	1000mL	1700cm <sup>2</sup>
18900171	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000mL	1700cm <sup>2</sup>
18900164	(COATED)Evaporatingflask(NS29/32) Receiving flask (KS 35/20)	1000mL	1700cm <sup>2</sup>
18900172	(COATED)Evaporatingflask(NS24/40) Receiving flask (KS35/20)	1000mL	1700cm <sup>2</sup>



### 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 m<sup>3</sup>/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



18900186  
 In use of control small volume, installed in a vacuum between DVR480 and vacuum system.  
 Material: PVDF, PTFE, ABS, Borosilicate Glass, Stainless Steel



### 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	

NEW



## 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 H<sub>2</sub>O 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 $\pm 1$ rpm	100–1500rpm, resolution $\pm 1$ 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<sup>A</sup>

### 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<sup>T</sup>

### 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 H<sub>2</sub>O 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<sup>T</sup> only)
- High-resolution LCD display shows actual temperatures and speed (MS-H-Pro<sup>T</sup> displays the time)
- External temperature control is possible by connecting the temperature sensor (PT 1000)with accuracy at ±0.2°C
- Work plate with ceramic coating provides good chemical-resistantperformance
- 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 <sup>A</sup>	SCI340-PRO	SCI340-PRO <sup>T</sup>	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 <sub>2</sub> 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°C, increment 1°C	Room Temp.–340°C, increment 1°C	Room Temp.–340°C, increment 1°C	Room Temp.–340°C	Room Temp. ± 5–380°C	Room Temp. ± 5–280°C
Temperature control accuracy	± 1°C(<100°C) ± 1%(>100°C)	± 1°C(<100°C) ± 1%(>100°C)	± 1°C(<100°C) ± 1%(>100°C)	–	–	± 1°C (<100°C) ± 1% (>100°C)
Overheating temperature protection	420°C	420°C	420°C	420°C	420°C	320°C
Temperature display accuracy	± 0.1°C	± 0.1°C	± 0.1°C	± 0.5°C	± 0.1°C	± 1°C
External temperature sensor	PT1000 ( accuracy ± 0.2°C )	PT1000 ( accuracy ± 0.2°C )	PT1000 ( accuracy ± 0.2°C )	PT1000 ( accuracy ± 0.2°C )	PT1000 ( accuracy ± 0.2°C )	PT1000 ( accuracy ± 0.2°C )
"Hot" warning	50°C	50°C	50°C	–	–	50°C
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°C,80%RH	5–40°C,80%RH	5–40°C,80%RH	5–40°C,80%RH	5–40°C,80%RH	5–40°C,80%RH





# SCI340-4

## LCD 4-Channel Digital Magnetic Hotplate Stirrer



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

## Features

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

Specifications	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 <sub>2</sub> 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 Power	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 <sup>T</sup>	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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 <sub>2</sub> 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 H<sub>2</sub>O 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 <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> 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

# Overhead Stirrers

SCIOLOGEX 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  $\pm 3$ 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.



LCD display



Torque display



Speed adjusts with change in viscosity



Wide range of accessories

### Specifications

Max. stirring quantity[H <sub>2</sub> 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	



	SCI20-Pro	SCI40-Pro
Max. stirring quantity	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	$\pm 3$ rpm	$\pm 3$ rpm
Speed display	LCD	LCD
Torque display	LCD	LCD
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 220x 186mm
Weight	2.8kg	2.8kg
Protection class	IP21	IP21
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH
Data connector	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 <sub>2</sub> 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

# Overhead Stirrers | Accessories

## Universal plate stand

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

**Cat. No.**  
18900258



## 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



## 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



## 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 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 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



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

### 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[WxHxD]	127x130x160mm	127x130x160mm
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



Wide range of accessories



# 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 <math>\lt; \text{Ø}99\text{mm}</math> 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



# Microplate 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



### PS1.1 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



### PS1.2 Microplate clamp

**Cat. No.**18900042



### 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

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



# 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



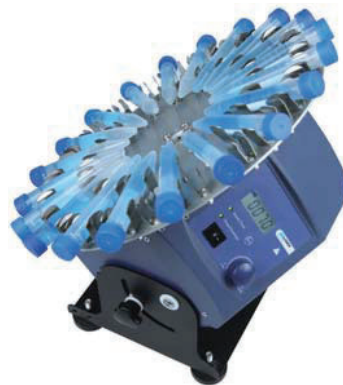
LCD display



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 [DxWxH ]	280x210x300mm	300x220x310mm
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

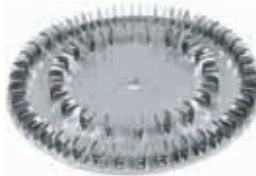
# Tube Rotators | Accessories



## 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 any vessel 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 x 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 CO<sub>2</sub> 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	300 × 340 × 100mm
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 x 5~15mL tubes, use with SK330.5	■	■	■	■		
 18202846	Silicone mattress for 6 x 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 x 5~10mL tubes					■	■
 18202853	Silicone mattress for 4 x 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



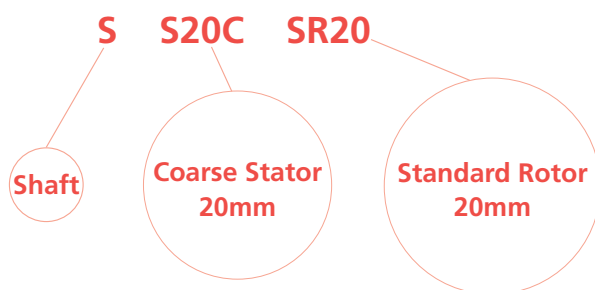
### Specifications

	D-160	D-500
Power Supply	110-120V/60Hz 220-240V / 50-60 Hz	110-120V/60Hz 220-240V/50-60 Hz
Motor Type	160 W AC carbon brush motor	500 W AC carbon brush motor
Speed Range	8000-30000rpm	10000-30000rpm
Max. Circum. Speed	6.3-14m/sec	22.7-36m/sec
Speed Control	Dial knob	Dial knob
Working Volume [ H <sub>2</sub> O]	0.1-50mL (Dispersing shaft DS-160/5) 1-250mL (Dispersing shaft DS-160/10)	100-5000mL
Max. Viscosity	5,000mPas	10,000 mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE	SS 316L stainless steel, PTFE
Weight	0.6 kg	1.3 kg
Dimension [L x W x H]	46mm x 55mm x 230mm	70mm x 70mm x 255mm
Noise	72 dB(A)	79 dB(A)
Operating Environment	0-40°C, 85% rel. humidity	0-40°C, 85% rel. humidity
Protection Class	IP20	IP20

## 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-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



# 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  $\leq 45$ 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	$\leq 45$ 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  $\pm 20$  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



## 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.



## 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

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, 500W/100V–120V, 50Hz/60Hz, 500W
Noise	≤56dB
Dimensions[WxDxH]	332 × 553 × 283mm
Weight	30kg
Certification	CE cTÜVus 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

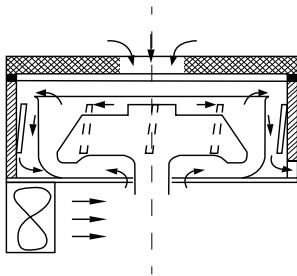


Brushless DC motor



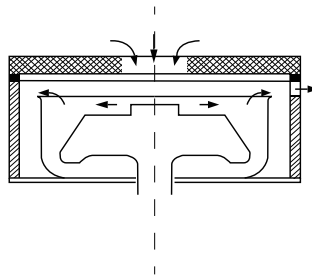
Wide range of rotors

#### 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.

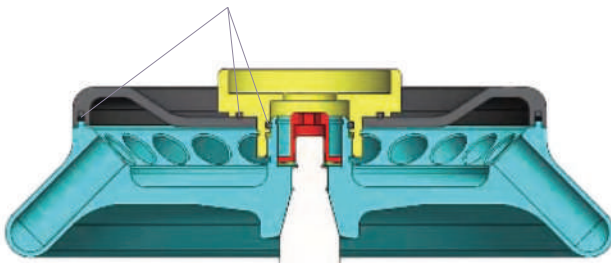


SCIOLOGEX rotors are manufactured from military-industrial grade aluminum alloy with high mechanical strength for precise running and safety (excludes SCI-12 rotor)

- 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

SCIOLOGEX 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 cTUVus 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

SCIOGEX 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 capilleries	24 capilleries
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



**Cat. No.** 19400013

### A24- 2P SCI24-H

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



**Cat. No.** 19400047

### AC24 SCI24-H & SCI24-EH

Max. speed: 12000rpm  
Max. RCF: 13680×g  
Rotor capacity: capillary tubes x24  
Rotor material: High strength aluminum

## Available adapters



**Cat. No.** 19500001

### A02P2

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



**Cat. No.** 19500002

### A05P2

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



**Cat. No.** 19500003

### A02P05

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, cTUVus, 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.



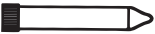


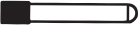


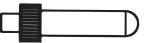

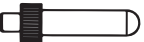

Specifications	SCI412
Speed Range	300-4500rpm, increment: 100rpm
Max. RCF	2490 × g
Speed accuracy	± 20rpm
Rotor type	A12-10P, A6-50P
Run Time	30sec-99min HOLD (Continuous operation)
Motor	Brushless DC motor
Display	LCD
Safety Devices	Door interlock, Overspeed detector; Automatic internal diagnosis
Acceleration/Braking 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 cTUVus
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
<p><b>comes standard SCI412</b></p> <p>Max. speed: 4500rpm Max. RCF: 2490 × g Rotor capacity: 8x15mL, 12x10mL Rotor material: High strength plastic</p>		<p><b>optional SCI412</b></p> <p>Max. speed: 4000rpm Max. RCF: 1800 × g Rotor capacity: 50mL × 6 or 15mL × 6 Rotor material: High strength plastic</p>	

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

Available tubes	Tube quantity	Dimension (ØLxmm)	Adapters	Maximum speed(rpm)	Radius (cm)	Maximum RCF(×g)
<p>15mL con</p> 	8	17 × 120		4500	11	2490
<p>1.5–5mL vacu</p> 	12	13 × 75	A10P15 & Plug 	4500	9.8	2218
<p>4–7mL vacu</p> 	12	13 × 100	A10P15 	4500	11	2490
		16 × 75			9.8	2218
<p>8.5–10mL vacu</p> 	12	16 × 107		4500	11	2490
<p>2.7–3mL(EU) collection tube</p> 	12	11 × 66	A10P15 & Plug 	4500	9.8	2218
<p>7.5–8.2mL(EU) collection tube</p> 	12	15 × 92	A10P15 	4500	11	2490

The SCIOLOGEX 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

SCIOLOGEX **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

Speed range
Max. RCF
Speed accuracy
Max. Capacity
Run Time
Motor
Display
Program Memory
Safety Devices
Acceleration/Deceleration time
Power
Dimension[WxDxH]
Weight
Certification
Advanced features

SCI636
300-6000rpm increment: 10rpm
4300xg
±20rpm
100mLx4
30sec-99mins/continuous
Brushless DC
LCD
9
Door Imbalance protection Over speed & Over temperature detection
9 ↑ / 10 ↓
660W; Single-phase AC220V-240V, 50Hz/60Hz, 6.3A; AC110V-120V, 50Hz/60Hz, 10A
445x579x269mm
36kg
CE cTUVus FCC IVD
speed/rcf switch; Rotor identification

# SCI636 Rotor Options

## Cat. No.19400041

comes standard SCI636

Max. speed: 4000rpm

Max. RCF: 2950 × g

Rotor material: stainless steel body and adapter



	 19400045		 19400044			 19400043		 19400042			
bucket	x 4										
tube	x 36		x 16			x 8	x 4	x 4	x 4	x 4	x 20
Nominal volume	3–7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3–7mL
φ × L mm	13x75	13x100	16x100	17x105	17x120	29.5x100	38x108	38x104	29.5x100	17x120 13x100 13x75	13x100 13x75
tube											
adapter	with plug					 A50V	 A100P80		 A100P50  A50V	 A100P15	 A100P10
Package	36					8	4		4	8	4
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20
Radius(cm)	14	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.1	14.7
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630

# 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



# Spectrophotometers

Sciogex 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.

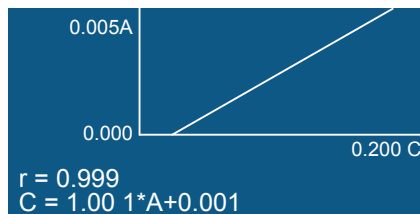
**PC control through application software:** The spectrophotometer is fully equipped and capable of executing all functions in stand-alone mode. The optional application software '**Wave Professional**' provides computer control for the spectrophotometer (through the built-in USB port), apart from other 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.

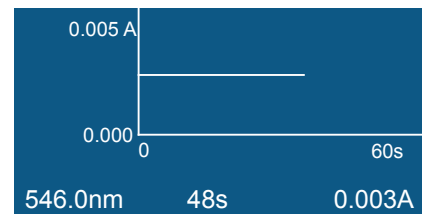
### Basic Mode

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







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	-0.3-3.0A, 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)	490x360x210mm	490x360x210mm	490x360x210mm	490x360x210mm
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 sq. cuvette



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



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



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



**Cat. No.** 18900334  
cylindrical cell holder(ø16mm)



**Cat. No.** 18900339  
solid sample holder  
(ø1.5-3mmø 1 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)

# FASTgel

## Gel Imaging System

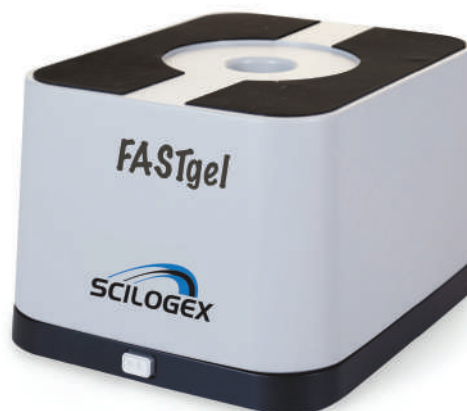
The FASTgel gel imaging system can be used for qualitative analysis of nucleic acid and protein in purification and /or separation application, or colony counting application.

### Functions & Applications

FASTgel facilitates fast access to acquire high-quality images of electrophoresis gel or transfer membrane for analysis using a smartphone or tablet. With epi-blue instead of ultraviolet light source, FASTgel is able to safely and efficiently visualize stained DNA signals after gel electrophoresis.

In addition, Coomassie blue stained SDS-PAGE and colony dishes can be observed with the light plate mounted on the FASTgel.

Optionally you can control the complete imaging system via an app on your smartphone or tablet.

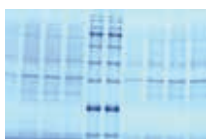


### Features

- Compact foot print with a field of 10×10cm
- Simple operation of experiments and quick acquisition of results
- Epi-blue light diminishes UV exposure to lab personnel and DNA damage in the sample
- Adjustable epi-blue light source emits light with high intensity and minimum heat for better light control
- Filter holders can accommodate most popular smartphones/tablets
- Optional light-weight app



ECO Safe staining

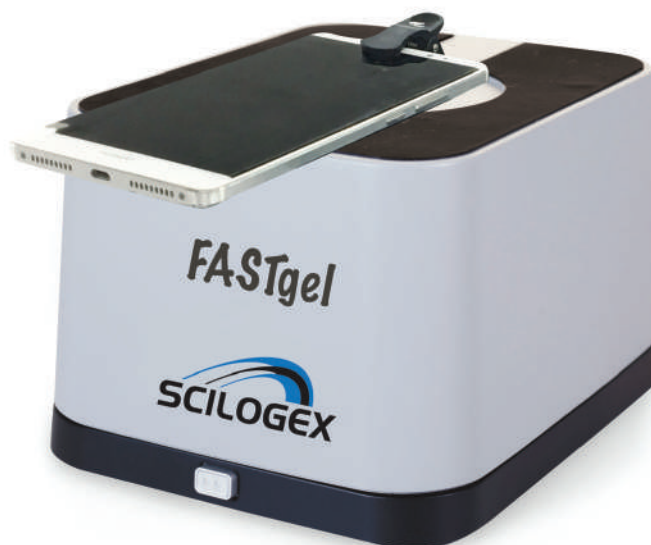


Coomassie blue stained SDS-PAGE



colony dish image

### Simple assembly



## Applications:



Observe and cut gels safe and sound with the amber filter shield



## Specifications

	FASTgel
Light Source	470nm epi blue light
White Light Plate	Yes
Filter Protective Shield	Amber, using when observing or cutting gels
Viewing Area	10 x 10cm
Compatible Dye	DNA: ECO Safe, SYBR Safe, GelGreen Protein: Lightning Red, Silver/ Coomassie blue, SYPRO Ruby
Light Source (L x W x H)	216 x 168 x 54 mm
Light Source Cover (L x W x H)	211 x 161 x 108 mm
Total Size (L x W x H)	216 x 168 x 128 mm
Weight	1.2 Kg
Power Supply	12V / 1.5A AC power adapter
Optional app	for Android 4.4 and above or iOS9.0 and above

# SCIOGEX

## DEWAR FLASKS





Standard sizes, capacities & refills	DEWAR			SPARE GLASS REFILL			
	Cat No.	Dia. mm	Height mm	Ref. No.	Internal Dia. mm	Internal Depth mm	Capacity Litres
Stainless Steel Cased Dewar, with Clamp Lid Attachment, Vent and Handle.	SS111	116 x 228		470 111	85 x 185		1
	SS222	142 x 268		470 222	106 x 205		2
	SS333	182 x 350		470 333	150 x 280		4.5
Shallow Style Stainless Steel Cased Dewars, no handle/lid	SS77SH	105 x 75		47077SH	77 x 50		0.17
	SS100SH	130 x 90		470100SH	100 x 65		0.38
	SS115SH	150 x 95		470115SH	115 x 70		0.57
	SS138SH	160 x 115		470138SH	130 x 90		1
	SS150SH	186 x 138		470150SH	155 x 110		1.9
Blue Enamelled Cased Dewars with Handle and Lid	MS111	116 x 228		470 111	85 x 185		1
	MS222	142 x 268		470 222	106 x 205		2
	MS 333	182 x 350		470 333	150 x 280		4.5
	MS 200	245 x 445		470 200	200 x 375		10

Our dewar flasks feature double-walled borosilicate glass, vacuum pumped and silvered insuring efficient storage, transport and use of liquid nitrogen and dry-ice. Dewar flasks with lids have a vented lid to safely expel evaporating gas. Stainless steel dewars with lids feature lid-clamps to secure the lid for safe transportation and minimizing spillage of contents.



Stainless Steel Cased Dewars



Blue Enamelled Cased Dewars

# PORTABLE DRY-ICE MAKER



The '**SCIOGEX**' Portable Dry-Ice maker is the fastest way of providing a block of Dry-Ice to your lab. 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 '**SCIOGEX**' Portable Dry-Ice maker produces a block of approx.2.2Lbs in weight in approximately 1 minute, and all you have to do is connect the unit to a cylinder of CO<sub>2</sub>, and turn on the tap. Remember, it has to be a LIQUID cylinder with an internal siphon.

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

1. Connect unit to Liquid CO<sub>2</sub> cylinder and turn on.
2. Monitor flow of liquid by means of pressure gauge provided.
3. When block is made, turn off gas on cylinder; unclip lid and sides of unit.
4. Remove block. GLOVES MUST BE WORN.
5. Replace sides and lid of unit to instantly make another block if required.

300002 SCIOGEX DILVAC Dry-Ice Maker, c/w Pressure Hose and Pressure Gauge, USA version

300001 SCIOGEX DILVAC Dry-Ice Maker, c/w Pressure Hose and Pressure Gauge, International version

