

# 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



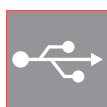
LCD Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It offers an excellent distilling solution in a wide range of applications.

### 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

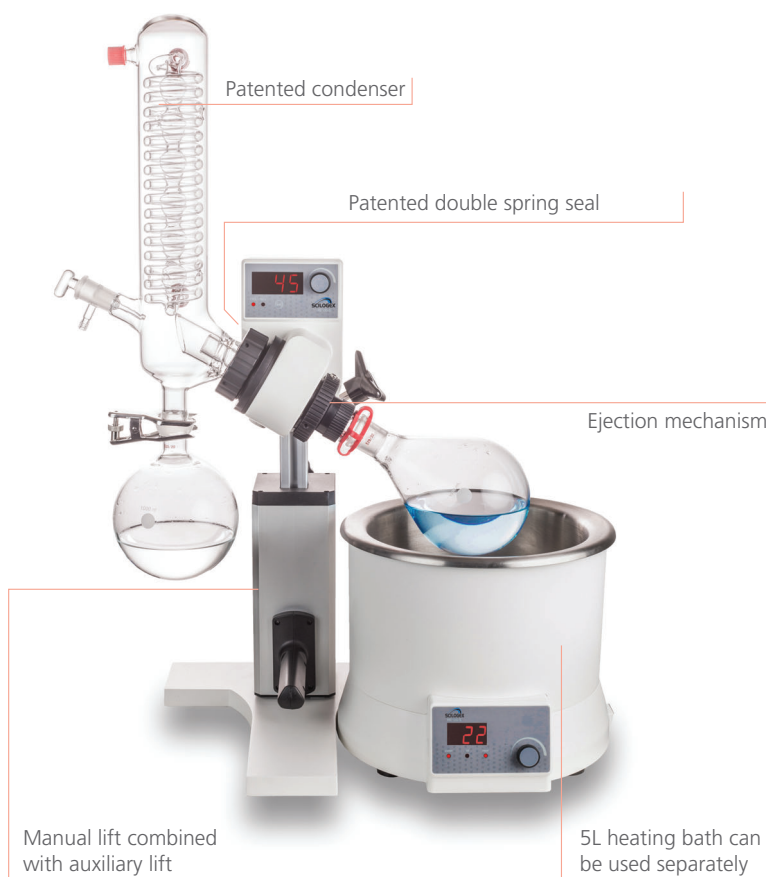


Overheating protection



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



# Magnetic Hotplate Stirrers

SCIOLOGEX 550°C series magnetic stirrer is developed for demanding applications. It is widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals etc. Combining with glass ceramic work plate, brushless DC motor and external temperature sensor, the work plate temperature is optimized up to 550°C.

## SCI550-Pro LCD Digital Magnetic Hotplate Stirrer

### Features

- LCD display for precise monitoring of speed and temperature
- Built-in PID controller ensures safe heating of the medium with overheating protection
- Max. heating plate temperature 550°C
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- External temperature control is possible by connecting the temperature sensor(PT1000) with an accuracy at  $\pm 0.2^{\circ}\text{C}$
- Digital speed controlling, max. speed at 1500rpm
- Outstanding brushless DC motor enables more stirring power
- Two rotating knobs enable easy adjustment of speed and temperature
- The "HOT" warning will flash when the work plate temperature is above 50°C even when the hotplate is turned off
- Remote function provides PC control and data transmission



## SCI550-S LED Magnetic Hotplate Stirrer

### Features

- LED display for precise monitoring of temperature
- A wide speed range of 0 to 1500rpm
- Max. Heating plate temperature 550°C
- External temperature control is possible by connecting the temperature sensor(PT1000) with accuracy at  $\pm 0.2^{\circ}\text{C}$
- The "HOT" warning will flash if the work plate temperature is above 50°C



# Magnetic Hotplate Stirrers



Overheating protection



External sensor



Wide range of accessories



Chemical resistance



## Specifications

	SCI550-Pro	SCI550-S
Work plate Dimension [W x D]	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Shaded pole motor
Motor rating input	18W	15W
Motor rating output	10W	1.5W
Power	1050W	1030W
Heating output	1000W	1000W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Stirring positions	1	1
Max. stirring quantity, [H <sub>2</sub> O]	20L	10L
Max. magnetic bar[length]	80mm	80mm
Speed range	100-1500rpm resolution ±1rpm	0-1500rpm
Speed display	LCD	Scale
Temperature display	LCD	LED
Heating temperature range	Room Temp.-550°C, increment 1°C	Room temp.-550°C, increment 5°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	±10°C
Overheating protection	580°C	580°C
Temperature display accuracy	±0.1°C	±1°C
External temperature sensor	PT1000 (accuracy ±0.2)	PT1000 (accuracy ±0.2)
"Hot" warning	50°C	50°C
Data connector	RS232	-
Protection class	IP21	IP21
Dimension [WxDxH]	215x360x112mm	215x360x112mm
Weight	5.3kg	4.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

## Magnetic Hotplate Stirrers

SCIOGEX 340°C magnetic hotplate stirrers include all leading safety standards and features for superior ease of use and are cost-effective. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, etc.

### SCI340-ProT LCD Digital Magnetic Hotplate Stirrer with Timer



### SCI340-Pro LCD Digital Magnetic Hotplate Stirrer



#### Features

- Brushless DC motor is maintenance free
- Digital temperature control with max. temperature at 340°C
- Digital speed control with max. speed up to 1500rpm
- Max. stirring quantity of H<sub>2</sub>O at 20L
- Safety circuits provide overheating protection
- The "HOT" warning will flash if the plate temperature is above 50°C even when the hotplate is turned off
- Wide range timer function from 1min to 99h59min(MS-H-ProT only)
- High-resolution LCD display shows actual temperatures and speed (MS-H-ProT displays the time also)
- External temperature control is possible by connecting the temperature sensor(PT 1000) with accuracy at  $\pm 0.2^{\circ}\text{C}$
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- Remote function provides PC control and data transmission
- A wide variety of accessories are available

### SCI340-HS Magnetic Hotplate Stirrer

#### Features

- Maintenance free brushless DC motor
- Max. temperature to 340°C
- Stirring speed up to 1500 rpm
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- Safety circuits provide overheating protection
- A wide variety of accessories are available





External sensor



Brushless DC motor



Wide range of accessories



RS232 connector



Chemical resistance



### Specifications

	SCI340-Pro	SCI340-ProT	SCI340-HS
Work plate dimension	φ135mm(5 inch)	φ135mm(5 inch)	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic	stainless steel cover with ceramic	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Motor rating input	18W	18W	18W
Motor rating output	10W	10W	10W
Power	550W	550W	530W
Heating output	500W	500W	500W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Stirring positions	1	1	1
Max. stirring quantity[H <sub>2</sub> O]	20L	20L	20L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100-1500rpm resolution±1rpm	100-1500rpm resolution±1rpm	0-1500rpm resolution±1rpm
Speed display	LCD	LCD	Scale
Temperature display	LCD	LCD	Scale
Heating temperature range	Room temp.-340°C, increment 1°C	Room temp.-340°C, increment 1°C	Room temp.-340°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)	-
Over temperature protection	360°C	360°C	350°C
Temperature display accuracy	±0.1°C	±0.1°C	±0.5°C
External temperature sensor	PT1000 (accuracy ±0.2)	PT1000 (accuracy ±0.2)	-
"Hot" warning	50°C	50°C	-
Timer function	-	1min to 99h 59min	-
Data connector	RS232	RS232	-
Protection class	IP42	IP42	IP42
Dimension[WxDxH]	160×280×85mm	160×280×85mm	160×280×85mm
Weight	2.8kg	2.8kg	2.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

# Magnetic Hotplate Stirrers

SCIOLOGEX SCI280-Pro is a perfect device for handling small volume task on daily application, as a low temperature magnetic stirrer with max. temperature at 280°C.

## SCI280-Pro LED Digital Magnetic Hotplate Stirrer

### Features

- Digital temperature control with max. temperature up to 280°C
- Digital speed control with max. speed up to 1500rpm
- Stainless steel work plate with ceramic coating provides good chemical resistant performance
- External temperature control is possible by connecting the temperature sensor(PT1000) with an accuracy at  $\pm 0.5^{\circ}\text{C}$
- LED display shows temperature and speed
- The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off



External sensor



Wide range of accessories



Chemical resistance



LED display



### Specifications

	SCI280-Pro
Work plate Dimension	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic
Motor type	Brushless DC motor
Motor rating input	5W
Motor rating output	3W
Power	515W
Heating output	500W
Voltage	100-120/200-240V 50/60Hz
Stirring positions	1
Max. stirring quantity	3L
Max. magnetic bar[length]	50mm
Speed range	200-1500rpm
Speed display	LED
Temperature display	LED
Speed display resolution	$\pm 1\text{rpm}$
Heating temperature range	Room temp.-280, increment 1°C
Control accuracy of work plate	$\pm 1^{\circ}\text{C}(<100^{\circ}\text{C}) \pm 1^{\circ}\text{C}(>100^{\circ}\text{C})$
Overheating protection	320°C
Temperature display accuracy	$\pm 1^{\circ}\text{C}$
External temperature sensor	PT1000 (accuracy $\pm 0.5^{\circ}\text{C}$ )
"Hot" warning	50°C
Protection class	IP21
Dimension[WxDxH]	150×260×80mm
Weight	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH



# Magnetic Hotplate Stirrers

## SCI380H-Pro LCD Digital Hotplate

## SCI6-Pro LCD Digital Magnetic Stirrer

## SCI380HS-Pro LCD Digital Magnetic Hotplate Stirrer

SCIOLOGEX 380°C magnetic hotplate stirrers include all leading safety standards and is chemically-resistant with white ceramic work plate. They can be used in physical, chemical, analytical and biological laboratories.



### Features:

- Max. heating temperature is 380°C
- High resolution LCD displays actual temperature and speed.
- Brushless DC motor is maintenance free
- Aluminum cover with ceramic work plate, allows for immediate heat transfer
- External temperature control is possible with temperature sensor PT1000
- Digital temperature control with max. temperature at 380°C
- Digital speed control with max. speed up to 1500rpm
- Max. stirring quantity of H<sub>2</sub>O at 5L

Specifications	SCI380HS-Pro	SCI6-Pro	SCI380H-Pro
Work plate Dimension	140x140mm	140x140mm	140x140mm
Work plate material	Aluminum cover with ceramic coating	Aluminum cover with ceramic coating	Aluminum cover with ceramic coating
Motor type	Brushless DC motor	Brushless DC motor	-
Motor rating input	2.4W	2.4W	-
Motor rating output	1.8W	1.8W	-
Power	510W	10W	510W
Heating output	500W	-	500W
Voltage	100-120/200-240V, 50/60Hz	100-240V, 50-60Hz	100-120/200-240V, 50/60Hz
Stirring positions	1	1	-
Max. stirring quantity[H <sub>2</sub> O]	5L	5L	-
Max. magnetic bar[length]	50mm	40mm	-
Speed range	200-1500rpm	200-1500rpm	-
Speed display	LCD	LCD	-
Temperature display	LCD	-	LCD
Heating temperature range	Room temp.+5°C - 380°C	-	Room temp.+5°C - 380°C
Over heat Protection	420°C	-	420°C
Temperature display accuracy	±0.1°C	-	±0.1°C
External temperature sensor	PT1000 (accuracy ±0.5°C)	-	PT1000 (accuracy ±0.5°C)
Control accuracy of sensor	±20rpm	±20rpm	-
Protection class	IP21	IP21	IP21
Dimension [W x D x H]	320x180x108mm	320x180x108mm	320x180x108mm
Weight	2.2kg	2.2kg	2.2kg
Permissible ambient temperature and humidity	5-40°C 80%RH	5-40°C 80%RH	5-40°C 80%RH

# Magnetic Hotplate Stirrers

## SCI340H-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
- LCD display shows actual temperatures and speed
- PID controller ensures a precise and steady heating process, Max. temperature up to 340°C
- Brushless DC motor enables more powerful speed control
- External temperature sensor(PT1000) with accuracy at 0.2°C
- Overheating protection temperature at 420°C
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- A wide variety of accessories are available

#### Specifications

	SCI340H-4
Work plate dimension	Φ134mm ( 5inch )
Plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Motor rating input[W]	1.8W × 4
Power[W]	515W × 4
Heating Power[W]	500 × 4
Voltage	100-120V,60Hz; 200-240V,50 Hz
Stirring positions	4
Max. stirring quantity of single position (H2O)	10L
Max. magnetic bar[mm]	40
Speed range[rpm]	200-1500
Speed display	LCD
Temperature display	LCD
Control accuracy of sensor[rpm]	± 20
Temperature range[° C]	25-340°C
Over temperature protection[° C]	420
Temperature display accuracy[° C]	± 0.1
External temp. sensor	PT1000 ( Accuracy ± 0.2°C )
IP Protection class	IP21
Dimensions[WxDxH][mm]	698*270*128
Weight[kg]	9.5kg
Permissible ambient temperature[° C]	5 ~ 40
Permissible relative humidity	80%

## SCI120-HS 10-Position Magnetic Hotplate Stirrer

### Features

- Maintenance-free brushless DC motor
- Max speed 1100rpm
- Max.temperature 120°C
- Stainless steel work plate, covered with silicone cushion, provides the excellent performance of heating uniformity and skid resistance



Skid resistance



Multiple position



Brushless DC motor



### Specifications

	SCI120-HS
Work plate dimension[W x D]	180x450mm
Work plate material	Stainless steel with silicone
Motor type	Brushless DC motor
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating output	470W
Voltage	100-120/200-240V 50/60Hz
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
Overheating protection	140°C
Protection class	IP42
Dimension[WxDxH]	182×622×65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH



# Hotplates

## SCI550-H

### LED Hotplate

#### Features

- LED screen shows temperature
- Max. temperature up to 550°C
- Separate safety circuits with fixed safety temperature of 580°C
- External temperature control is possible by connecting the temperature sensor(PT 1000) with an accuracy at  $\pm 0.5^{\circ}\text{C}$
- Glass ceramic work plate provides excellent chemical-resistant performance and most efficient heat transfer
- The "HOT" warning will flash if the work plate temperature is above 50°C even when the hotplate is turned off



Wide range of accessories



Chemical resistance



Overheating protection



"HOT" warning prevents burning

#### Specifications



	SCI550-H
Work plate dimension[WxD]	184x184mm(7 inch)
Work plate material	Glass ceramic
Power	1010W
Voltage Frequency	100-120/200-240V,50/60Hz
Heating Power	1000W
Heating position	1
Heating temperature range	Room temp.-550°C,increment 5°C
Control accuracy of work plate	$\pm 10^{\circ}\text{C}$
Safety temperature	580°C
Temperature display	LED
Temperature display accuracy	$\pm 1^{\circ}\text{C}$
External temperature sensor	PT1000( $\pm 0.5^{\circ}\text{C}$ )
Heating warning	50°C
Protection class	IP21
Dimension[WxDxH]	215x360x112mm
Weight	4.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

## SCI7-S 7" Square Magnetic Stirrer

### Features

- Speed range of 0-1500rpm
- Max. stirring quantity of H<sub>2</sub>O at 10L
- Ceramic work plate provides excellent chemical resistant performance



## SCI-S Magnetic Stirrer

### Features

- Maintenance free brushless DC motor
- Speed range of 0-1500 rpm
- Max. stirring quantity of H<sub>2</sub>O at 20L
- Stainless steel work plate cover with ceramic material provides good chemical resistance performance

### F100 protective cover

for non-hotplate model,  
use with MS-S



Chemical resistance



Strong magnetism



### Specifications

	SCI7-S	SCI-7
Work plate dimension[WxD]	184x184mm(7inch)	φ135mm(5 inch)
Work plate material	Glass ceramic	Stainless steel cover with ceramic
Motor type	Shaded pole motor	Brushless DC motor
Motor input power	15W	18W
Motor output power	1.5W	10W
Power	30W	30W
Voltage	100-120/200-240V,50/60Hz	100-240V,50/60Hz
Stirring positions	1	1
Max. stirring quantity[H <sub>2</sub> O]	10L	20L
Max. magnetic bar[length]	80mm	80mm
Speed range	0-1500rpm	0-1500rpm
Speed display	Scale	Scale
Protection class	IP21	IP42
Dimension[WxDxH]	215x360x112mm	160x280x85mm
Weight	3.8kg	2.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

# Magnetic Stirrers



## SCI-PA LED Digital Magnetic Stirrer

### Features

- Digital speed control within the range of 100-1500rpm
- Max. stirring quantity of H<sub>2</sub>O at 3L
- LED display shows speed
- Nylon+GF housing provides a good performance of chemical resistance

## SCI-PB Magnetic Stirrer

### Features

- A wide range of 0-1500rpm
- Max. stirring quantity of H<sub>2</sub>O at 3L
- Nylon+GF housing provides a good performance of chemical resistance



Chemical resistance



Strong magnetism



LED display



### Specifications

	SCI-PA	SCI-PB
Work plate dimension[WxD]	φ135(5 inch)mm	φ135(5 inch)mm
Work plate material	N ylon+GF	N ylon+GF
Motor type	Brushless DC motor	DC motor
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
Stirring positions	1	1
Max. stirring quantity[H <sub>2</sub> O]	3L	3L
Max. magnetic bar[length]	50mm	50mm
Speed range	200-1500rpm	0-1500rpm
Speed display	LED	Scale
Protection class	IP42	IP42
Dimension[WxDxH]	150×260×80mm	150×260×80 mm
Weight	1.8kg	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

## SCI-S10 10-Position Magnetic Stirrer

### Features

- Maintenance-free brushless DC motor
- Speed range of 0-1100rpm
- Stainless steel work plate covered with silicone cushion, provides excellent performance of skid resistance



Skid resistance



Multiple position



### Specifications

	SCI-S10
Work plate Dimension[WxD]	180×450mm
Work plate material	Stainless steel with silicone coating
Motor type	Brushless DC motor
Motor input power	12W
Motor output power	4W
Power	20W
Voltage	100-120/200-240V,50/60Hz
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
Dimension[WxDxH]	622×205×65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

# Magnetic Stirrers

## SCI-Spin Ultra-flat Compact Magnetic Stirrer

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

### Features

- A wide range of speed from 15 to 1500rpm
- Automatic reverse rotation for excellent mixing
- Protection class (IP65)
- PET top provides excellent chemical resistance
- Ultra silence and vibration-free



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

## SCI-Stir Economical Magnetic Stirrer

### 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 sensors for other purposes

### Specifications

	SCI-Spin	SCI-Stir
Work plate Dimension	φ90mm	φ120mm
Work plate material	PET	PET
Motor type	Motorless	Brushless DC motor
Motor output power	3W	1.2W
Power	5W	7.2W
Voltage	100-120/200-240V,50/60Hz	100-120/200-240V,50/60Hz
Stirring positions	1	1
Max. stirring quantity[H <sub>2</sub> O]	0.8L	1.5L
Max. magnetic bar[length]	40mm	40mm
Speed range	15-1500rpm	300-2000rpm
Speed setting	button	scale
Protection class	IP65	IP21
Dimension [W x D x H]	175x120x15mm	150x145x50mm
Weight	0.3kg	0.3kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH

# Magnetic Hotplate Stirrers | Accessories



Cat. No.	Description	SCI550-Pro	SCI550-S	SCI340-Pro	SCI340-T	SCI340-HS	SCI280-Pro
①	18900001 Blue carrying plate, use with color quarter pies			■	■	■	■
②	18900065 Blue Fixed ring, use with color quarter pies			■	■	■	■
③	18900002 Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth	■	■	■	■	■	■
④	18900003 Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth	■	■	■	■	■	■
⑤	18900004 Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	■	■	■	■	■	■
⑥	18900005 Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	■	■	■	■	■	■
⑦	18900048 Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	■	■	■	■	■	■
⑧	18900049 Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	■	■	■	■	■	■
⑨	18101006 Reaction block for 50mL round bottom flask (one flask capacity)			■	■	■	■
⑩	18101007 Reaction block for 100mL round bottom flask (one flask capacity)			■	■	■	■
⑪	18101008 Reaction block for 250mL round bottom flask (one flask capacity)			■	■	■	■
⑫	18101009 Reaction block for 500mL round bottom flask (one flask capacity)			■	■	■	■
⑬	18900019 F101 protective cover, temperature resistance of 135°C			■	■	■	■
⑭	18900016 PT1000-A, length of 230mm	■	■	■	■		■
⑮	18900136 PT1000-B, temperature sensor with glass coated, length of 230mm	■	■	■	■		■
⑯	18900017 Support clamp of PT1000	■	■	■	■		
⑰	18900148 Support clamp of PT1000						■

# Magnetic Hotplate Stirrers | Accessories

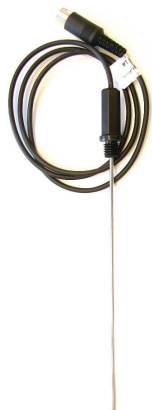


## Stirrer bars

Stirrer bars and stirrer bar remover(PTFE), use below 150°C

### Models

SCI550-Pro SCI550-SS SCI340-Pro SCI340-T <sup>T</sup> SCI340-S SCI-S	SCI280-Pro SCI-PA SCI-PB	SXC120-HS SCI-S10 SCI-Spin SCI-Stir
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Cat. No.	Size of stirrer bars (LxØ)[mm]	Suitable for max. stirrer bar 80mm	Suitable for max. stirrer bar 50mm	Suitable for max. stirrer bar 40mm
18900006	10mmx6mm	■	■	■
18900007	15mmx8mm	■	■	■
18900008	20mmx8mm	■	■	■
18900009	25mmx8mm	■	■	■
12500005	30mmx6mm	■	■	■
18900011	40mmx8mm	■	■	■
12500004	50mmx8mm	■	■	
18900013	65mmx8mm	■		
18900014	80mmx13mm	■		
18900015	Stirrer bar remover, length of 200mm	■	■	■

# 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 Stirrer

### 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	



	SCO20-Pro	SCI40-Pro
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	$\pm 3$ 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 SCI20-Pro LED Overhead Stirrer

### 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-Pro	SCI20-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



Wide range of accessories



Specifications	SCI-VS (Adjustable speed)	SCI-FS (Fixed speed)
Voltage	100-120V/200-240V,50/60Hz	100-120V/200-240V,50/60Hz
Power	60W	60W
Mixing motion	Orbital	Orbital
Orbital diameter	4mm	4mm
Motor type	Shaded pole motor	Shaded pole motor
Motor rating input	58W	58W
Motor rating output	10W	10W
Speed range	0-2500rpm	2500rpm
Speed display	Scale	-
Run type	Touch operation/Continuous	Touch operation/Continuous
Dimension[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



# 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



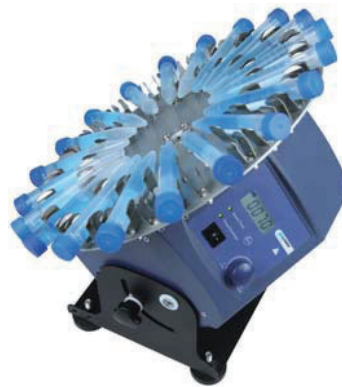
LCD display



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

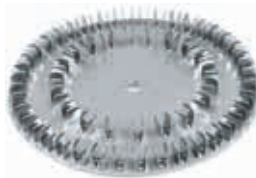
# Tube Rotators | Accessories



## Disk Accessories Type-1

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

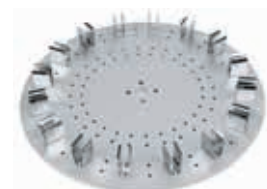
**Cat. No.**  
18900160



## 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

# Shakers

SCIOLOGEX orbital and linear shakers are ideal for almost any vessel from microcentrifuge tubes through petri dishes and microtitre plates to conical flasks.

## SCI-O330-Pro

## SCI-O180-Pro

### LCD Digital Orbital Shaker

#### Features

- Max. load capacity is 7.5kg(O330) and 2.5kg(O180) with platform
- Double LCDs for independent display of time and speed
- Used with a wide variety of accessories
- Maintenance- free brushless DC motor
- Over speed detection and protection
- Remote function provides PC control and data transmission

SHOWN WITH OPTIONAL  
UNIVERSAL PLATFORM



## SCI-O180-S

### LED Digital Orbital Shaker

#### Features

- Max. load capacity is 3kg with platform
- Double LEDs for independent display of time and speed
- Speed range of 40-200rpm
- Wide range of platforms for use with a variety of vessels

## SCI-O180-E

### Economical Digital Orbital Shaker

#### Features

- Max. load capacity is 3kg with platform
- Speed range of 0-200rpm
- Wide range of platforms for use with a variety of vessels





Timer



Wide range of accessories



## Specifications

	SCI-O330-Pro	SCI-O180-Pro	SCI-O180-S	SCI-O180-E
Orbital diameter	10mm	4mm	20mm	20mm
Max. load capacity (with platform)	7.5kg	2.5kg	3kg	3kg
Motor type	Brushless DC motor	Brushless DC motor	DC motor	DC motor
Motor input power	28W	28W	16W	16W
Motor output power	15W	15W	10W	10W
Speed range	100-500rpm	100-800rpm	40-200rpm	0-200rpm
Speed display	LCD	LCD	LED	scale
Timer display	LCD	LCD	LED	-
Time settings range	1min-19h59min	1min-19h59min	1min-19h59min	-
Voltage	100-240V,50/60Hz	100-240V,50/60Hz	100-240V,50/60Hz	100-240V,50/60Hz
Power	30W	30W	20W	20W
Weight	13.5kg	8.1kg	3.1kg	3.1kg
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
Dimension[WxDxH]	370×420×100mm	300×340×100mm	270×330×110mm	270×330×110mm
Protection class	IP21	IP21	IP21	IP21
Data connector	RS232	RS232	-	-



# Shakers

## SCI-L330-Pro

## SCI-L180-Pro

### LCD Digital Linear Shaker

#### Features

- Max. load capacity is 7.5kg(L330) and 2.5kg(L180) with platform
- Double LCDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels
- Maintenance- free brushless DC motor
- Over speed detection and protection

SHOWN WITH OPTIONAL  
UNIVERSAL PLATFORM



## SCI-L180-S

### LED Digital Linear Shaker

#### Features

- Max. load capacity is 3kg with platform
- Double LEDs for independent display of time and speed
- Speed range of 40-200 rpm
- Wide range of platforms for use with a variety of vessels



## SCI-L180-E

### Economical digital Linear Shaker

#### Features:

- Max. load capacity is 3kg with platform
- Speed range of 0-200 rpm
- Wide range of platforms for use with a variety of vessels





Timer



Wide range of accessories



## Specifications

	SCI-L330-Pro	SCI-L180-Pro	SCI-L180-S	SCI-L180-E
Amplitude	10mm	4mm	20mm	20mm
Max. load capacity (with platform)	7.5kg	2.5kg	3kg	3kg
Motor type	Brushless DC motor	Brushless DC motor	DC motor	DC motor
Motor input power	28W	28W	16W	16W
Motor output power	15W	15W	10W	10W
Speed range	100-350rpm	100-350rpm	40-200rpm	0-200rpm
Speed display	LCD	LCD	LED	scale
Timer display	LCD	LCD	LED	-
Time settings range	1min-19h59min	1min-19h59min	1min-19h59min	-
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	30W	30W	20W	20W
Weight	13.5kg	8.1kg	3.1kg	3.1kg
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
Dimension[WxDxH]	370x420x100mm	300x340x100mm	270x330x110mm	270x330x110mm
Protection class	IP21	IP21	IP21	IP21
Data connector	RS232	RS232	-	-

# Shakers | Accessories



SK330.5



SK180.4



SK180.5



SK180.6



SK330.1



SK330.3



SK180.1



SK180.3



Cat. No.

Description

SCI-O330-Pro  
SCI-L330-Pro  
SCI-R-Pro  
SCI-3D-Pro

SCIO180-Pro/S/E  
SCI-L180-Pro/S/E  
SCI-RS/RE  
SCI-3DS/3DE

18900155

Dish platform with non-slip mat and fixed string (8pcs)  
Dimension[WxD]: 30x28.5cm



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



18900027

Universal attachment with 4 bars  
Dimension[WxD]: 30x30cm



18900040

Lengthways roller attachment  
Dimension[WxD]: 30x30cm



18900025

Universal attachment with 3 bars  
Dimension[WxD]: 24x24cm



18900038

Lengthways roller attachment  
Dimension[WxD]: 24x24cm



18900036

Bar for SCI330.1 universal attachment



18900037

Bar for SCI180.1 universal attachment



18900280

Supports for double platforms

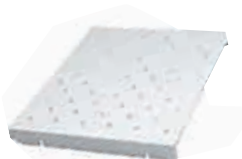




SK330.2



SK180.2



Cat. No.	Description	SCI-O330-Pro SCI-L330-Pro SCI-R-Pro SCI-3D-Pro	SCI-O180-Pro/S/E SCI-L180-Pro/S/E SCI-RS-S/E SCI-RS
18900028	Fixing clip attachment	■	
18900026	Fixing clip attachment		■
18900029	Fixing clip for flask volume 25mL, used with SCI330.2[28pcs] SCI180.2[9pcs]	■	■
18900030	Fixing clip for flask volume 50mL, used with SCI330.2[16pcs] SCI180.2[9pcs]	■	■
18900031	Fixing clip for flask volume 100mL, used with SCI330.2[16pcs] SCI180.2 [9pcs]	■	■
18900032	Fixing clip for flask volume 200/250 mL, used with SCI330.2[9pcs] SCI180.2[4pcs]	■	■
18900033	Fixing clip for flask volume 500mL, used with SCI330.2[9pcs] SCI180.2[2pcs]	■	■

# Rockers

SCIOLOGEX see-saw and 3D rockers provide perfect solution in electrophoresis gel dyeing/dicoloration, sample washing, molecular hybridization, immunoprecipitation, Western blot and cell culture.

## SCI-R-Pro LCD Digital See-saw Rocker

### Features

- Rocking motion angle 9°
- Max. load capacity is 10kg with platform
- Speed range of 10-70rpm
- Double LCDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels



## SCI-RE Economical See-saw Rocker

### Features:

- Rocking motion angle 7°
- Max. load capacity is 3kg with platform
- Speed range of 0-80rpm
- Wide range of platforms for use with a variety of vessels

## SCI-RS LED Digital See-saw Rocker

### Features

- Rocking motion angle 7°
- Max. load capacity is 3kg with platform
- Speed range of 10-80rpm
- Double LEDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels







Timer



Wide range of accessories



## Specifications

	SCI-R-Pro	SCI-R-S	SCI-R-E
Tilt angle	9°	7°	7°
Max. load capacity (with platform)	10kg	3kg	3kg
Motor type	DC motor	DC motor	DC motor
Motor input power	40W	16W	16W
Motor output power	24W	10W	10W
Speed range	10-70rpm	10-80rpm	0-80rpm
Speed display	LCD	LED	-
Timer display	LCD	LED	-
Time settings range	1min-19h59min	1min-19h59min	-
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W	20W
Weight	9kg	3.2kg	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[WxDxH]	360×410×200mm	270×330×130mm	270×330×130mm
Protection class	IP21	IP21	IP21



## Rockers



### SCI-3D-Pro LCD Digital 3D Rocker

#### Features

- Three-dimensional rocking motion with an angle of 9°
- Max. load capacity is 5kg with platform
- Speed range of 10-70rpm
- Double LCDs for independent display of time and speed
- Various of platform accessories

### SCI-3DS LED Digital 3D rocker

#### Features

- Three-dimensional rocking motion with the angle of 7°
- Max. load capacity is 3kg with platform
- Speed range of 10-80rpm
- Double LEDs for independent display of time and speed
- Various of platform accessories



### SCI-3DE Economical 3D Rocker

#### Features

- Three-dimensional rocking motion with the angle of 7°
- Max. load capacity is 3kg with platform
- Speed range of 0-80rpm
- Wide range of platforms for use with a variety of vessels





Timer



Wide range of accessories



## Specifications

	SCI-3D-Pro	SCI-3DS	SCI-3DE
Tilt angle	9°	7°	7°
Max. load capacity (with platform)	5kg	3kg	3kg
Motor type	DC motor	DC motor	DC motor
Motor input power	40W	16W	16W
Motor output power	24W	10W	10W
Speed range	10-70rpm	10-80rpm	0-80rpm
Speed display	LCD	LED	scale
Timer display	LCD	LED	-
Time settings range	1min-19h59min	1min-19h59min	-
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W	20W
Weight	9kg	2.7kg	2.7kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[WxDxH]	360×430×106mm	270×330×130mm	270×330×130mm
Protection class	IP21	IP21	IP21
Data connector	-	-	-

# Homogenizers

## D-160

### Handheld Homogenizer

#### Features:

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



#### Specifications

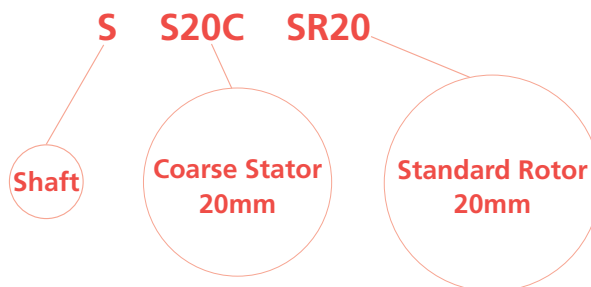
Power Supply	110-120V/60Hz 220-240V / 50-60 Hz	110-120V/60Hz 220-240V/50-60 Hz
Motor Type	Universal motor AC carbon brush motor	500 W AC carbon brush motor
Speed Range	8000-30000rpm	10000-30000rpm
Max. Circum. Speed	6.3-14m/sec	22.7-36m/sec
Speed Control	Dial knob	6 stage
Working Volume [ H <sub>2</sub> 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

