



SCI500HS-Pro

**LCD Digital Magnetic Hotplate Stirrer
With 10x10 Inch Ceramic Glass Plate**



Features

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

SCI550-Pro

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

SCI550-S

**LED Magnetic Hotplate Stirrer
With 7x7 Inch Ceramic Glass Plate**



Features

- LCD displays actual temperature & speed
- Built-in PID controller ensures safe heating of the medium with overheating protection
- Maximum heating plate temperature up to 550°C
- Glass ceramic work plate is resistant to corrosion and is easy to clean
- External temperature control is possible by connecting temperature sensor (PT1000) with an accuracy of $\pm 0.2^{\circ}\text{C}$
- Digital speed control with maximum range of 1500rpm
- Outstanding brushless DC motor offers more stirring power
- Two knobs enable easy adjustment of speed and temperature
- "HOT" warning flashes when work plate temperature is above 50°C even when hotplate is turned off
- Remote function provides PC control and data transmission

SCI380HS-Pro

LCD Digital Magnetic Hotplate Stirrer

Features

- Maximum heating temperature is 380°C
- High resolution LCD displays actual temperature and speed
- Brushless DC motor is maintenance free
- Aluminum ceramic coating work plate, allowing immediate heat transfer
- External temperature control is possible with temperature sensor PT1000
- Digital speed control with maximum speed up to 1500rpm
- Maximum stirring quantity of H₂O at 5L



SCI280-Pro

LED Digital Magnetic Hotplate Stirrer

The SCI280-Pro is a perfect hotplate stirrer for handling small volume tasks and daily applications, with a maximum temperature of 280°C

Features

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

Specifications	SCI500HS-Pro	SCI550-Pro	SCI550-S
Work plate Dimension [W x D]	254x254mm (10 inch)	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Brushless DC motor	Shaded pole motor
Stirring positions	1	1	1
Max. stirring quantity, [HzO]	30L	20L	10L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100–1500rpm, resolution ± 1 rpm	100–1500rpm, resolution ± 1 rpm	0–1500rpm
Speed display	–	LCD	Scale
Temperature display	LCD	LCD	LED
Heating temperature range	Room Temp.–500°C, increment 1°C	Room Temp.–550°C, increment 1°C	Room Temp.–550°C, increment 5°C
Temperature control accuracy	$\pm 1^\circ\text{C} (<100^\circ\text{C}) \pm 1\% (>100^\circ\text{C})$	$\pm 1^\circ\text{C} (<100^\circ\text{C}) \pm 1\% (>100^\circ\text{C})$	$\pm 10^\circ\text{C}$
Overheating protection	540°C	580°C	580°C
Temperature display accuracy	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000(accuracy $\pm 0.2^\circ\text{C}$)	PT1000(accuracy $\pm 0.2^\circ\text{C}$)	PT1000(accuracy $\pm 0.2^\circ\text{C}$)
"Hot" warning	50°C	50°C	50°C
Data connector	SD card	RS232	–
Protection class	IP21	IP21	IP21
Motor rating input	–	18W	15W
Motor rating output	–	10W	1.5W
Power	1400W	1050W	1030W
Heating output	1350W	1000W	1000W
Voltage	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz
Dimension [WxDxH]	328x424x138mm	215x360x112mm	215x360x112mm
Weight	7.18kg	5.3kg	4.5kg
Timer function	1min–99h59min	–	–
Permissible ambient temperature and humidity	5–40°C,80%RH	5–40°C,80%RH	5–40°C,80%RH



Overheating protection



External sensor



Chemical resistance



Wide range of accessories

SCI-HPRO^A

LCD Digital Magnetic Hotplate Stirrer

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

SCI340-PRO

LCD Digital Magnetic Hotplate Stirrer

SCI340-Pro^T

LCD Digital Magnetic Hotplate Stirrer with Timer

SCI340-HS

Analog Magnetic Hotplate stirrer



Features

- Brushless DC motor is maintenance free and explosion-proof
- Digital temperature control up to 340°C
- Digital speed control up to 1500rpm
- Maximum stirring quantity of H₂O is 20L
- Safety circuits provide overheating protection
- "HOT" warning flashes if plate temperature is above 50°C even when hotplate is
- Wide range timer function from 1 min to 99h 59min (MS-H-Pro^T only)
- High-resolution LCD display shows actual temperatures and speed (MS-H-Pro^T displays the time)
- External temperature control is possible by connecting the temperature sensor (PT 1000)with accuracy at ±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 ^A	SCI340-PRO	SCI340-PRO ^T	SCI340-HS	SCI380HS-Pro	SCI280-Pro
Work plate Dimension [W x D]	Ø135mm (5 inch)	Ø135mm (5 inch)	Ø135mm (5 inch)	Ø135mm (5 inch)	140x140mm	Ø135mm (5 inch)
Work plate material	Aluminum cover with ceramic coating	stainless steel cover with ceramic	stainless steel cover with ceramic	stainless steel cover with ceramic	Aluminum cover with ceramic coating	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring positions	1	1	1	1	1	1
Max. stirring quantity, [H ₂ O]	20L	20L	20L	20L	5L	3L
Max. magnetic bar[length]	80mm	80mm	80mm	80mm	50mm	50mm
Speed range	100–1500rpm resolution ± 1rpm	100–1500rpm resolution ± 1rpm	100–1500rpm resolution ± 1rpm	0–1500rpm resolution ± 1rpm	200–1500rpm	200–1500rpm
Speed display	LCD	LCD	LCD	Scale	LCD	LED
Temperature display	LCD	LCD	LCD	Scale	LCD	LED
Heating temperature range	Room temp.–340°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 ₂ O)	10L
Max. magnetic bar	40mm
Speed range	200–1500rpm
Speed display	LCD
Temperature display	LCD
Control accuracy of sensor	± 20rpm
Temperature range	25–340°C
Over temperature protection	420°C
Temperature display accuracy	± 0.1°C
External temp. sensor PT1000 Accuracy	PT1000(accuracy ± 0.2°C)
IP Protection class	IP21
Motor rating input	1.8Wx4
Power	515Wx4
Heating 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 ^T	SCI340-HS	SCI280-Pro
 18900001	Blue carrying plate, use with color quarter pies			■	■	■	■
 18900065	Blue Fixed ring, use with color quarter pies			■	■	■	■
 18900002	Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth	■	■	■	■	■	■
 18900003	Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth	■	■	■	■	■	■
 18900004	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	■	■	■	■	■	■
 18900005	Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	■	■	■	■	■	■
 18900048	Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	■	■	■	■	■	■
 18900049	Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	■	■	■	■	■	■
 18101006	Reaction block for 50mL round bottom flask (one flask capacity)			■	■	■	■
 18101007	Reaction block for 100mL round bottom flask (one flask capacity)			■	■	■	■
 18101008	Reaction block for 250mL round bottom flask (one flask capacity)			■	■	■	■
 18101009	Reaction block for 500mL round bottom flask (one flask capacity)			■	■	■	■
 18900019	F101 protective cover, temperature resistance of 135°C			■	■	■	■
 18900016	PT1000-A, length of 230mm	■	■	■	■		■
 18900136	PT1000-B, temperature sensor with glass coated, length of 230mm	■	■	■	■		■
 18900017	Support clamp of PT1000	■	■	■	■		
 18900148	Support clamp of PT1000						■



SCI500H-Pro

LCD 10X10 inch Digital Hotplate

Features

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

Specifications	SCI500H-Pro
Work plate Dimension [W x D]	254x254mm (10 inch)
Work plate material	Glass ceramic
Heating position	1
Heating temperature range	Room Temp.-500°C, increment 1°C
Temperature control accuracy	$\pm 1^{\circ}\text{C}$ (<100°C) $\pm 1\%$ (>100°C)
Safety temperature	540°C
Temperature,time display	LCD
Timer function	1min-99h59min
Temperature display accuracy	$\pm 0.1^{\circ}\text{C}$
External temperature sensor	PT1000($\pm 0.2^{\circ}\text{C}$)
"Hot" warning	50°C
Protection class	IP21
Power	1400W
Heating output	1350W
Voltage Frequency	100-120/200-240V, 50/60Hz
Dimension[WxDxH]	328x424x138mm
Weight	7.18kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

SCI550-H

7x7 LED Hotplate



Specifications	SCI550-H
Work plate Dimension [W x D]	184x184mm (7 inch)
Work plate material	Glass ceramic
Heating position	1
Heating temperature range	Room Temp.-550°C, increment 5°C
Control accuracy of work plate	± 10°C
Safety temperature	580°C
Temperature display	LED
Temperature display accuracy	± 1°C
External temperature sensor	PT1000 (accuracy ± 0.2°C)
Heating warning	50°C
Protection class	IP21
Heating Power	1000W
Power	1010W
Voltage Frequency	100-120/200-240V, 50/60Hz
Dimension[WxDxH]	215x360x112mm
Weight	4.5kg
permissible ambient temperature and humidity	5-40°C,80%RH

Features

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

SCI380H-Pro

LCD Digital Hotplate



Features

- Maximum heating temperature is 380 °C
- High resolution LCD displays actual temperature and speed
- Brushless DC motor is maintenance free
- Aluminum ceramic coating work plate, allowing a immediate heat transfer
- External temperature control is possible with temperature sensor PT1000
- Digital speed control with maximum speed up to 1500rpm
- Maximum stirring quantity of H₂O at 5L

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

SCI-S

Magnetic Stirrer

SCI7-S

7x7" Square Magnetic Stirrer

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



SCI7-S

SCI6-Pro

LCD Digital Magnetic Stirrer

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



SCI-S



SCI6-Pro

Specifications	SCI7-S	SCI-S	SCI6-Pro
Work plate Dimension [W x D]	184x184mm (7 inch)	Ø135mm (5 inch)	140x140mm
Work plate material	Glass ceramic	Stainless steel cover with ceramic	Aluminum cover
Motor type	Shaded pole motor	Brushless DC motor	Aluminum cover with ceramic coating
Stirring positions	1	1	1
Max. stirring quantity[H ₂ O]	10L	20L	5L
Max.magnetic bar[length]	80mm	80mm	40mm
Speed range	0–1500rpm	0–1500rpm	200–1500rpm
Speed display	Scale	Scale	LCD
Protection class	IP21	IP42	IP21
Motor input Power	15W	18W	2.4W
Motor output Power	1.5W	10W	1.8W
Power	30W	30W	10W
Voltage	100–120/200–240V, 50/60Hz	100–240V, 50/60Hz	100–240V, 50/60Hz
Dimension[WxDxH]	215x360x112mm	160x280x85mm	320x180x108mm
Weight	3.8kg	2.8kg	2.2kg
Permissible ambient temperature and humidity	5–40°C, 80%RH	5–40°C, 80%RH	5–40°C, 80%RH

SCI-PA

LED Digital Magnetic Stirrer

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

SCI-PB

Analog Magnetic Stirrer

Features

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



Specifications	SCI-PA	SCI-PB
Work plate Dimension	Ø135mm (5 inch)	Ø135mm (5 inch)
Work plate material	Nylon+GF	Nylon+GF
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity[H ₂ O]	3L	3L
Max.magnetic bar[length]	50mm	50mm
Speed range	0–1500rpm	0–1500rpm
Speed display	LED	scale
Protection class	IP42	IP42
Motor input power	5W	5W
Motor output Power	3W	3W
Power	15W	10W
Voltage	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz
Dimension[WxDxH]	150x260x80mm	150x260x80mm
Weight	1.8kg	1.8kg
Permissible ambient temperature and humidity	10–40°C, 80%RH	5–40°C, 80%RH



Strong magnetism



Chemical resistance



LED display

SCI-S10

10-Position Analog Magnetic Stirrer



Specifications	SCI-S10
Work plate Dimension [W x D]	180 × 450mm
Work plate material	Stainless steel with silicone coating
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity[H ₂ O]	0.4Lx10
Max.magnetic bar[length]	40mm
Speed range	0–1100rpm
Speed display	Scale
Protection class	IP21
Motor input Power	12W
Motor output Power	4W
Power	20W
Voltage	100–120/200–240V, 50/60Hz
Dimension[WxDxH]	622x205x65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5–40°C, 80%RH

Features

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



Skid resistance



Multiple position

SCI-Spin

Ultra-flat Compact Magnetic Stirrer

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



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

Features

- Speed range 15 to 1500rpm
- Automatic reverse rotation for excellent mixing
- Protection class (IP65)
- PET top work plate provides excellent chemical resistance
- Motorless technology provides ultra silent and vibration-free operation
- Perfect magnetic stirrer for use during titration (bottle-top burette) in analytical chemistry



SCI-Stir

Economical Magnetic Stirrer

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

Features

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