

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

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

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

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

## Features

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



Specifications	SCI7-550HSM	SCI7-550H	SCI-7ST
Working plate size	184x184mm (7 inch)	1184x184mm (7 inch)	184x184mm (7 inch)
Plate Material	Glass Ceramic	Glass Ceramic	Glass Ceramic
Motor type	Brushless DC motor	-	Brushless DC motor
Stirring positions	1	-	1
Maximum stirring volume [H <sub>2</sub> O]	20L	-	20L
Maximum stirrer size [length]	80mm	-	80mm
Speed range and step	50~1500rpm, increment 1rpm	-	50~1500rpm, increment 1rpm
Speed Display	LCD	-	LCD
Temperature display	LCD	LCD	
Heating temperature range	Room temp-550°C, increment 1°C	Room temp-550°C, increment 1°C	-
Temperature control accuracy of heating liquid	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C)±1%(>100°C)	-
overheating protection	580°C	580°C	-
Temperature display accuracy	0.1°C	0.1°C	-
External temperature sensor	PT1000 (accuracy ±0.2°C)	PT1000 (accuracy ±0.2°C)	-
Waste heat warning function	50°C	50°C	-
Data connection	RS232	RS232	RS232
Protection class	IP21	IP21	IP21
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor output power	50W	-	10W
Power	1200W	1150W	50W
Heating output power	1150W	1100W	-
Voltage, Frequency	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz	100-240V, 50/60Hz
Dimensions [L x W x H]	360x230x110mm	360x230x110mm	360x230x110mm
Weight	4.3kg	4.3kg	4.3kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

Specifications	SCI4-550HS	SCI4-550H	SCI-4ST
Working plate size	100x100mm (4 inch)	100x100mm (4 inch)	100x100mm (4 inch)
Plate Material	Glass Ceramic	Glass Ceramic	Glass Ceramic
Motor type	Brushless DC motor	-	Brushless DC motor
Stirring positions	1	-	1
Maximum stirring volume [H <sub>2</sub> O]	10L	-	10L
Maximum stirrer size [length]	40mm	-	40mm
Speed range and step	50~1500rpm, step 1rpm	-	50~1500rpm, step1rpm
Speed Display	LCD	-	LCD
Temperature display	LCD	LCD	
Heating temperature range	Room temp-550°C, increment 1°C	Room temp-550°C, increment 1°C	-
Temperature control accuracy of heating liquid	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C)±1%(>100°C)	-
overheating protection	580°C	580°C	-
Temperature display accuracy	0.1°C	0.1°C	-
External temperature sensor	PT1000 (accuracy±0.2°C)	PT1000 (accuracy ± 0.2°C)	-
Waste heat warning function	50°C	50°C	-
Data connection	RS232	RS232	RS232
Protection class	IP21	IP21	IP21
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor output power	10W	-	10W
Power	460W	430W	30W
Heating output power	410W	410W	-
Voltage, Frequency	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz	100-240V, 50/60Hz
Dimensions [L x W x H]	270x175x108mm	270x175x108mm	270x175x108mm
Weight	2.2kg	1.8kg	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH

## **SCI5-340HST/ SCI5-340HSM/SCI5-ST**

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

**NEW**



## **Features**

- Ceramic coated aluminium disc surface for corrosion resistance and easy cleaning.
- The corrosion-resistant all-metal housing provides good heat dissipation and reliable fire protection.
- Selected high-temperature resistant strong magnetic magnet, strong stirring, suitable for viscous liquid stirring.
- DMS5-340 powerful parallel magnetic field, any position of the disc, the magnetic field strength is uniform, suitable for parallel reaction; DMS5-340M strong magnetic field, suitable for viscous samples.
- High protection class IP41.
- Heating modes are divided into: A rapid heating mode, B standard heating mode, C stable heating mode, to meet different customer needs.
- Safety lock to prevent accidental change of operation.
- Buzzer: When the machine malfunctions, or the timer function counts down to the end of the buzzer will emit a "drip drip drip" sound.
- Heat warning function: when the disc temperature is higher than 50 °C, turn off the heating, the screen will have "HOT" flashing tips, even if you turn off the power, the display is still "HOT" flashing to remind the high temperature.
- Two independent safety circuits are designed to continuously monitor the equipment. When overheating occurs, the sensor fails, the machine reports an error and stops heating, and when the line is short-circuited, the machine automatically cuts off the power supply to protect the operator's safety.
- DC brushless motor, no spark, long life; low noise, maintenance-free, smooth running.
- LCD displays RPM, time and temperature parameters in an intuitive and clear manner.
- Timing function, timing range 1min-99h59min, countdown to the end of the stop heating, will not stop stirring, so as not to heat damage to the sample.
- Remote control function with PC connection.
- A wide range of accessories and complete, suitable for colleges and universities, scientific research, enterprises and other professional chemical synthesis laboratory.
- Safety temperature can be set.

Specifications	SCI5-340HST	SCI-340-HSM	SCI-5ST
Working plate size	Ø135mm (5 inch)	Ø135mm (5 inch)	Ø135mm (5 inch)
Plate Material	Aluminium with ceramic coating	Aluminium with ceramic coating	Aluminium with ceramic coating
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring positions	1	1	1
Maximum stirring volume [H <sub>2</sub> O]	20L	20L	10L
Maximum stirrer size [length]	80mm	80mm	80mm
Speed range and step	50-1500rpm,increment 1rpm	50-1500rpm,increment 1rpm	50-1500rpm,increment 1rpm
Speed Display	LCD	LCD	LCD
Temperature display	LCD	LCD	LCD
Heating temperature range	Room temp-340°C, increment 1°C	Room temp-340°C, increment 1°C	-
Temperature control accuracy of heating liquid	±1°C(<100°C)±1%(>100°C)	±1°C(<100°C)±1%(>100°C)	-
overheating protection	420°C	420°C	-
Temperature display accuracy	±0.1°C	±0.1°C	-
External temperature sensor	PT1000(accuracy±0.2°C)	PT1000(accuracy±0.2°C)	-
Waste heat warning function	50°C	50°C	-
Data connection	RS232	RS232	RS232
Protection class	IP42	IP42	IP42
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor output power	10W	10W	10W
Power	650W	650W	30W
Heating output power	600W	600W	-
Voltage, Frequency	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz	100-240V, 50/60Hz
Dimensions [L x W x H]	270x175x98mm	270x175x98mm	270x175x108mm
Weight	2.2kg	2.2kg	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH