

SCI220-H3/ SCI220-H5

LCD Digital Magnetic Stirring Heating Bath

Features

- High borosilicate glass liner with window for monitoring reaction product changes;
- Dual-use stirring bath for water and oil, with optional stirring in the bath ensuring uniform heating of both bath liquid and sample.
- Features a timer function with a range of 1 min to 99h 59min. Heating continues when the countdown ends but continues stirring to prevent heat damage to the sample.
- Touch buttons with audible prompts. Working status indicator light: Green during operation, flashing green before reaching set temperature; alarm red.
- Reversible stirring function.
- Protection features: dry burning protection, over-current protection, ground fault protection, and over-temperature protection.
- Residual heat warning function. When the plate temperature is above 50°C, heating is turned off, and the screen flashes "HOT" as a reminder of the high temperature even after the power is off.
- DC brushless motor, spark-free, long life; low noise, maintenance-free, stable operation.
- LCD displays speed, time, and temperature parameters clearly and intuitively.

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Specifications

Specifications	SCI220-H3	SCI220-H5
Heating pan material	High borosilicate glass + stainless steel base	High borosilicate glass + stainless steel base
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H ₂ O]	3L	5L
Max. magnetic bar [length]	40mm	40mm
Speed range	100~1500rpm, ±10rpm	100~1500rpm, ±10rpm
Speed display	LCD	LCD
Temperature display	LCD	LCD
Heating temperature range	Room Temp.-220°C	Room Temp.-220°C
Heating liquid temperature control accuracy	±1°C	±1°C
Overheating temperature protection	350°C	350°C
Temperature display accuracy	0.1°C	0.1°C
External temperature sensor	PT1000	PT1000
"Hot" warning	50°C	50°C
Buzzer	Yes	Yes
Positive and negative rotation	Yes	Yes
Protection class	IP21	IP21
Motor rating output	20W	20W
Heating output	850W	850W
Power	900W	900W
Voltage, Frequency	100-120V, 60Hz; 200-240V, 50Hz	100-120V, 60Hz; 200-240V, 50Hz
Bath size	Ø220×105mm	Ø240×135mm
Maximum flask volume can be placed	3L	5L
Dimension [WxDxH]	343×215×283mm	343×228×283mm
Weight	6.0kg	6.7kg
Timer function	1min-99h59min	1min-99h59min
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH