# SCILOGEX

# 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℃ , 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.

## 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 [$H_2O$] | 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℃ | Room Temp.-220℃ |
| Heating liquid temperature control accuracy | ±1℃ | ±1℃ |
| Overheating temperature protection | 350℃ | 350℃ |
| Temperature display accuracy | 0.1℃ | 0.1℃ |
| External temperature sensor | PT1000 | PT1000 |
| "Hot" warning | 50℃ | 50℃ |
| 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℃, 80%RH | 5-40℃, 80%RH |