



***HOTPLATE MAGNETIC STIRRER***

***LD-LHST-A22***

## Hotplate Magnetic Stirrer LD-LHST-A22

Hotplate Magnetic Stirrer LD-LHST-A22 is a table top device with 20 L maximum capacity and temperature range from 5 to 40°C. This Hotplate is designed with glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer. Features dual digital LCD display for clear view of temperature and speed of hot plate. It speed ranges from 200 to 1500 rpm and offers 1000 W heating power. Design with PT 1000 temperature sensor and brushless DC motor and, the work plate temperature is optimized up to 550°C.

### **FEATURES**

- ▷ Designed with dual LCD display for precise monitoring of speed and temperature
- ▷ Magnetic hotplate stirrer maximum capacity of liquid is 20 L
- ▷ Maximum heating plate temperature is 550°C
- ▷ Material used glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- ▷ Offers external temperature control is possible by connecting the temperature sensor(PT1000) with an accuracy at  $\pm 0.2^{\circ}\text{C}$
- ▷ Digital speed controlling, maximum speed at 1500rpm
- ▷ Brushless DC motor is maintenance free enables more stirring power
- ▷ Offers 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
- ▷ Built-in PID controller ensures safe heating of the medium with overheating protection
- ▷ Equipped with remote function provides PC control and data transmission

### **APPLICATIONS**

Hotplate Magnetic Stirrer used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, etc.

## SPECIFICATION

<b>Model</b>	<b>LD-LHST-A22</b>
Work plate Dimension	184 × 184 mm (7 inch)
Work plate material	Glass ceramic coating
Motor type	Brushless DC motor
Motor rating input	18 W
Motor rating output	10 W
Heating output	1000 W
Stirring positions	1
Max. stirring quantity	20 L H <sub>2</sub> O
Max. magnetic bar length	80 mm
Speed range	100 to 1500 rpm
Resolution	±1rpm
Speed display	LCD
Temperature display	LCD
Temperature control accuracy	±1°C(100°C)±1%(>100°C)
Heating temperature range	Room temp. -550°C, increment 1°C
Temperature range	5 to 40°C
Humidity	80 % RH
Overheating protection	580°C
Temperature display accuracy	±0.1°C
External temperature sensor	PT 1000 (accuracy ±0.2°C)
Hot warning	50°C
Data connector	RS232
Protection class	IP21
Dimension	215 × 360 × 112 mm
Power consumption	1050 W
Power supply	110 to 240V, 50/60Hz
Weight	5.3 kg