

## Magnetic Hotplate Stirrers

DLAB 550°C series magnetic stirrer is developed for demanding applications. It is widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, to name a few, etc.

Combining with glass ceramic work plate, brushless DC motor, external temperature sensor and the work plate temperature optimized up to 550°C.

### MS7-H550-Pro

#### LCD Digital Magnetic Hotplate Stirrer

##### Features

- LCD display for settings and monitoring of speed and temperature
- Built-in PID controller ensures the safe heating of the medium with overheating protection
- Max. Heating plate temperature 550°C
- 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  $\pm 0.2^{\circ}\text{C}$
- Digital speed controlling, Max. speed at 1500rpm
- Outstanding brushless DC motor performance enables more stirring power
- Two rotating knobs enable the easy and direct change of speed and temperature
- The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off
- Remote function provides PC control and data transmission



### MS7-H550-S

#### LED Magnetic Hotplate Stirrer

##### Features

- LED display for precise monitoring of temperature
- A wide speed range of 0 to 1500rpm
- Max. Heating plate temperature 550°C
- External temperature control is possible by connecting the temperature sensor(PT 1000) with accuracy at  $\pm 0.2^{\circ}\text{C}$
- The "HOT" warning will flash when the work plate temperature is above 50°C even the hotplate is turned off





Overheating protection



External sensor



Wide range of accessory



Chemical resistance



## Specifications

	MS7-H550-Pro	MS7-H550-S
Work plate Dimension [W x D]	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Shaded pole motor
Motor rating input	18W	15W
Motor rating output	10W	1.5W
Power	1050W	1030W
Heating output	1000W	1000W
Voltage	100~120/200~240V 50/60Hz	100~120/200~240V 50/60Hz
Stirring positions	1	1
Max. stirring quantity, [H <sub>2</sub> O]	20L	10L
Max. magnetic bar[length]	80mm	80mm
Speed range	100~1500rpm resolution $\pm 1$ rpm	0~1500rpm
Speed display	LCD	Scale
Temperature display	LCD	LED
Heating temperature range	Room Temp.-550°C, increment 1°C	Room temp.-550°C, increment 5°C
Temperature control accuracy	$\pm 1^\circ\text{C}$ (<100°C) $\pm 1\%$ (>100°C)	$\pm 10^\circ\text{C}$
Overheating protection	580°C	580°C
Temperature display accuracy	$\pm 0.1^\circ\text{C}$	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000 (accuracy $\pm 0.2$ )	PT1000 (accuracy $\pm 0.2$ )
"Hot" warning	50°C	50°C
Data connector	RS232	-
Protection class	IP21	IP21
Dimension [W x D x H]	215x360x112mm	215x360x112mm
Weight	5.3kg	4.5kg
Permissible ambient temperature and humidity	5~40°C 80%	5~40°C 80%