

## MS7-H550-Pro LCD Digital Magnetic Hotplate Stirrer

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.

### 제품특징

- 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



### 제품사양

Model	MS7-H550-Pro	Model	MS7-H550-Pro
Cat No	8030122111	Speed display	LCD
Dimension of work plate [W x D]	184x184mm (7 inch)	Temperature display	LCD
Work plate material	Glass ceramic	Heating temperature range	Room Temp.-550°C, increment 1°C
Motor type	Brushless DC motor	Control accuracy of work plate	$\pm 1^\circ\text{C}$ ( $<100^\circ\text{C}$ ) $\pm 1\%$ ( $>100^\circ\text{C}$ )
Motor rating input	18W	Over temperature protection	580°C
Motor rating output	10W	Temperature display accuracy	$\pm 0.1^\circ\text{C}$
Power	1050W	External temperature sensor	PT1000 (accuracy $\pm 0.2$ )
Heating output	1000W	"Hot" warning	50°C
Voltage	100-120/200-240V 50/60Hz	Data connector	RS232
Stirring positions	1	Protection class	IP21
Max. stirring quantity, [H <sub>2</sub> O]	20L	Dimension [W x D x H]	215x360x112mm
Max. magnetic bar[length]	80mm	Weight	5.3kg
Speed range	100-1500rpm, resolution $\pm 1$ rpm	Permissible ambient temperature and humidity	5-40°C, 80%

## Accessories



Red quarter pie, 11 holes, 4 mL reaction vessel,  $\varnothing$ 15.2mm, 20mm depth



Purple quarter pie, 4 holes, 20 mL reaction vessel,  $\varnothing$ 28mm, 24mm depth



Blue quarter pie, 4 holes, 30mL reaction vessel,  $\varnothing$ 28mm, 30mm depth



Black quarter pie, 4 holes, 40mL reaction vessel,  $\varnothing$ 28mm, 43mm depth



Green quarter pie, 6 holes, 8mL reaction vessel,  $\varnothing$ 17.8mm, 26mm depth



Golden quarter pie, 4 holes, 16mL reaction vessel,  $\varnothing$ 21.6mm, 31.7mm depth



Support clamp of PT1000



PT1000-A, length of 230mm



PT1000-B, temperature sensor with glass coated, length of 230mm