

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 ₂ O] | 20L | 10L |
| Max. magnetic bar[length] | 80mm | 80mm |
| Speed range | 100~1500rpm resolution ±1rpm | 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 | ±1°C(<100°C) ±1%(>100°C) | ±10°C |
| Overheating protection | 580°C | 580°C |
| Temperature display accuracy | ±0.1°C | ±1°C |
| External temperature sensor | PT1000 (accuracy ±0.2) | PT1000 (accuracy ±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% |



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