

## MS10-H500-Pro

### LCD Digital Magnetic Hotplate Stirrer With 10 Inch Ceramic Plate



## Features

- Large volume: Up to 30L of liquid on 10-inch hot plate with powerful magnetic stirring
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- LCD display for precise monitoring of speed and temperature. External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at  $\pm 0.2^{\circ}\text{C}$
- Digital speed control of 100 ~ 1500rpm
- Max. heating plate temperature 500°C
- The “HOT” warning will flash when the work plate temperature is above 50°C even when the hotplate is turned off
- Data connector: The SD card records the instrument's running data in real time.
- Timing function: the running time of the instrument can be set.

| Specifications                               | MS10-H500-Pro                      | MS7-H550-Pro                       | MS7-H550-S                         |
|----------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Work plate Dimension [W x D]                 | 254x254mm (10 inch)                | 184x184mm (7 inch)                 | 184x184mm (7 inch)                 |
| Work plate material                          | Glass ceramic                      | Glass ceramic                      | Glass ceramic                      |
| Motor type                                   | Brushless DC motor                 | Brushless DC motor                 | Shaded pole motor                  |
| Stirring positions                           | 1                                  | 1                                  | 1                                  |
| Max. stirring quantity, [H <sub>2</sub> O]   | 30L                                | 20L                                | 10L                                |
| Max. magnetic bar[length]                    | 80mm                               | 80mm                               | 80mm                               |
| Speed range                                  | 100-1500rpm, resolution±1rpm       | 100-1500rpm, resolution±1rpm       | 0-1500rpm                          |
| Speed display                                | LCD                                | LCD                                | Scale                              |
| Temperature display                          | LCD                                | LCD                                | LED                                |
| Heating temperature range                    | Room Temp.-500°C,<br>increment 1°C | Room Temp.-550°C,<br>increment 1°C | Room Temp.-550°C,<br>increment 5°C |
| Temperature control accuracy                 | ±1°C(<100°C)±1%(>100°C)            | ±1°C(<100°C) ±1%(>100°C)           | ±10°C                              |
| Overheating protection                       | 540°C                              | 580°C                              | 580°C                              |
| Temperature display accuracy                 | ±0.1°C                             | ±0.1°C                             | ±1°C                               |
| External temperature sensor                  | PT1000(accuracy ±0.2°C)            | PT1000(accuracy ±0.2°C)            | PT1000(accuracy ±0.2°C)            |
| "Hot" warning                                | 50°C                               | 50°C                               | 50°C                               |
| Data connector                               | SD card                            | RS232                              | -                                  |
| Protection class                             | IP21                               | IP21                               | IP21                               |
| Motor rating input                           | 18W                                | 18W                                | 15W                                |
| Motor rating output                          | 10W                                | 10W                                | 1.5W                               |
| Power                                        | 1400W                              | 1050W                              | 1030W                              |
| Heating output                               | 1350W                              | 1000W                              | 1000W                              |
| Voltage,Frequency                            | 100-120/200-240V, 50/60Hz          | 100-120/200-240V, 50/60Hz          | 100-120/200-240V, 50/60Hz          |
| Dimension [WxDxH]                            | 328x424x138mm                      | 215x360x112mm                      | 215x360x112mm                      |
| Weight                                       | 7.2kg                              | 5.3kg                              | 4.5kg                              |
| Timer function                               | 1min-99h59min                      | -                                  | -                                  |
| Permissible ambient temperature and humidity | 5-40°C,80%RH                       | 5-40°C,80%RH                       | 5-40°C,80%RH                       |



Overheating protection



External sensor



Chemical resistance



Wide range of accessories