

## Magnetic Stirrer Hotplate

- Adjustable safety temperature: Absolute safety temperature control system, safety in the 100-580°C temperature range is adjustable, system stop heating when exceed secure temperature.
- Accurate temperature and speed control: the microprocessor feedback control technology effectively guarantee the temperature and speed precision

### Features of digital models:

- Heating warning: 50°C alarm line, the LCD display would point "HOT" when plate temperature exceeds 50°C the system would shut down when plate temperature below 50°C.
- LCD Real-time display: Setting value and actual value can be displayed.
- Real-time monitoring temperature and speed via LCD display.
- PC control via RS232 interface, can control and document all measuring values via PC.
- Parameter can be set to carry out safety monitoring.



### Specification of Magnetic Stirrer Hotplate

Model	ST-MS7H-PRO	ST-MS7-PRO	ST-MS7H-A	ST-MS7-A
Dimension of heating plate (mm)	184 x 184	184 x 184	184 x 184	184 x 184
Plate Material	Glass ceramic	Glass ceramic	Glass ceramic	Glass ceramic
Motor Type	Exterior rotor brushless motor	Exterior rotor brushless motor	Exterior rotor brushless motor	Exterior rotor brushless motor
Motor rating input (W)	18	18	18	18
Motor rating output (W)	10	10	10	10
Max. stirring quantity H <sub>2</sub> O (L)	20	20	20	20
Max. magnetic bar L x Ø (mm)	80 x 10	80 x 10	80 x 10	80 x 10
Speed range (rpm)	100 - 1500	100 - 1500	0 - 1500	0 - 1500
Speed display	LCD	LCD	Scale	Scale
Speed display resolution (rpm)	1	1	Scale	Scale
Heating region (mm)	176 x 176	/	176 x 176	/
Heat output (W)	1000	/	1000	/
Adjustable safety circuit (heating plate) °C	Room temperature to 550	/	Room temperature to 550	/
Temperature control accuracy with temp. sensor PT1000 (±°C)	1 (100°C below) ±1% (100°C above)	/	/	/
Safety temperature (°C)	100 - 580	/	100 - 580	/
Temperature display	LCD	/	Scale	/
Temperature display accuracy (°C)	0.1	/	Scale	/
Temperature sensor of extra position	PT1000	/	/	/
Control accuracy of heating temperature with temperature sensor PT1000 (±°C)	0.2	/	/	/
Heating warning	50°C alarm line	/	/	/
Remote control (RS232 Interface)	Yes	Yes	N/A	N/A
Power (W)	1050	50	1030	50
Voltage (VAC)	100 - 120/200 - 240	100 - 120/200 - 240	100 - 120/200 - 240	100 - 120/200 - 240
Frequency (Hz)	50/60	50/60	50/60	50/60