

Multi-Plates Magnetic Stirrer Hotplate HSHS-4P Series

The Multi-Plates Magnetic Stirrer Hotplate HSHS-4P Series (MSHS-4P/MSHA-4P/MSHC-4P) is a compact lab instrument with 4 independent 178×178 mm plates, integrating precise heating, stirring, and multi-level safety warnings. It comes with an LED display and optional PT 1000 sensors, ideal for diverse lab heating and mixing applications.

Features:

- ◆ 3 plate material options (ceramic-coated stainless steel/aluminum, pure ceramic) with plate temp up to 500°C
- ◆ High precision control: 0.1°C solution temp resolution, ±0.5°C accuracy with PT 1000 sensor, ±1°C stability
- ◆ 4 independent stirring positions, 150–1600 rpm speed, 10L max volume, bidirectional (CW/CCW) rotation
- ◆ Comprehensive safety: hot/overheat/residual temp warnings, IP 21 protection class
- ◆ Global compatibility: 200–240V voltage, 50/60 Hz frequency for international use



HSHS-4P



MSHA-4P



MSHC-4P

Model	HSHS-4P	MSHA-4P	MSHC-4P
Display	LED	LED	LED
Plate material	Ceramic coated stainless steel	Ceramic coated aluminum	Ceramic
Plate number	4	4	4
Each Plate Dimension	178 X 178 mm	178 X 178 mm	178 X 178 mm
Hot warning	YES	YES	YES
Overheat warning in plate and medium detection (Error 1, Error 2)	YES	YES	YES
Residual temperature warning	YES	YES	YES
Number of Control	4	4	4
Temperature setting range	35-300°C	35-400°C	35-500°C
Heating range for plate	35-300°C	35-400°C	35-500°C
Heating range for solution	35.0-200.0°C	35.0-200.0°C	35.0-200.0°C
External temperature sensor (Optional)	PT 1000	PT 1000	PT 1000
Heating setting resolution of plate	1 °C	1 °C	1 °C
Heating setting resolution of solution	0.1 °C	0.1 °C	0.1 °C
Temperature stability	1 °C	1 °C	1 °C
Heat control accuracy with PT 1000 (500ml H2O in 600ml beaker, 30mm stirring bar, 600rpm, 50°C)	+/-0.5 °C	+/-0.5 °C	+/-0.5 °C
Capable calibration on	yes	yes	yes



external probe			
Number of stirring positions in each plate	1	1	1
Stirring quantity max. per stirring position (H2O)	10L	10L	10L
Speed range	150-1600 rpm	150-1600 rpm	150-1600 rpm
Stir Bar Length Range	25-60mm	25-60mm	25-60mm
Motion Direction (CW/CCW)	yes	yes	yes
Dimensions (W x D x H) mm	760x300x110	760x300x110	760x300x110
Weight	14 Kg	14 Kg	14 Kg
Operation ambient temperature	5 - 40 °C	5 - 40 °C	5 - 40 °C
Operation relative humidity	80%	80%	80%
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21
Voltage	200-240V	200-240V	200-240V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power	2600 W	3200 W	3200 W