

MS-H-Pro-Plus Circular-top LCD Digital Hotplate Stirrer

SKU: MBI75038190 | Φ 127 mm Plate | 340°C / 1500 rpm | Timer



Programmable Timer

Set heating timer from 1 minute to 99 hours 59 minutes. Unit heats to target temperature for the programmed duration then auto-shuts off. Stirring continues independently until manually stopped.

High-Performance Stirring

Brushless DC motor delivers 100–1500 rpm with ± 1 rpm resolution. Automatic spin-bar retrieval and electronic speed control maintain constant speed under load changes.

Dual Backlit LCD Displays

Independent high-resolution LCD screens for heat, stirring, and timer with PID temperature control to $\pm 1^\circ\text{C}$. Low-temperature stability for sensitive reactions.

PC Control & Data Logging

RS232 data connector with free PC software for remote control, data logging, and process documentation. PT1000 external sensor ready ($\pm 0.2^\circ\text{C}$ accuracy).

cTUVus approved (UL & CSA) • 2-Year Warranty • Includes 50 mm magnetic stir bar

Specifications

Parameter	Value
SKU	MBI75038190
Work Plate Diameter	Φ127 mm (5 in)
Work Plate Material	Stainless steel cover with ceramic coating
Motor Type	Brushless DC motor (spark-free)
Motor Input / Output Power	18 W / 10 W
Power	550 W
Heating Output	500 W
Voltage	100–120 / 200–240 V, 50/60 Hz
Stirring Positions	1
Max. Stirring Quantity (H ₂ O)	20 L
Max. Magnetic Bar Length	80 mm
Speed Range	100 – 1500 rpm (±1 rpm)
Speed / Temperature Display	LCD (backlit)
Heating Temperature Range	Room temp. – 340°C (1°C increment)
Control Accuracy	±1°C (<100°C), ±1% (>100°C)
Over-Temperature Protection	360°C
Temperature Display Accuracy	±0.1°C
External Temperature Sensor	PT1000 (±0.2°C)
Timer Function	1 min – 99 h 59 min
"Hot" Warning	Flashes above 50°C even when off
Data Connector	RS232 (free PC software)
Protection Class	IP42
Dimensions (W × D × H)	160 × 280 × 85 mm
Weight	2.8 kg
Ambient Conditions	5–40 °C, 80% RH
Certification	Montreal Biotech Inc. 149 Guthrie Ave., Dorval, PQ H9P 2P1, Canada Phone: 1-888-697-2312 www.montreal-biotech.com cTUVus (UL & CSA)