

# MBI SCI280-Pro Circular LED Digital Hotplate-Stirrer

SKU: MBI75032090 |  $\Phi$ 135 mm Plate | 280°C / 1500 rpm



### Digital LED Control

Dual LED display shows actual temperature and speed in real time. Independent knobs for heat and stir with push on/off safety.

### Ceramic-Coated Stainless Plate

$\Phi$ 135 mm (5") stainless-steel work plate with ceramic coating for excellent chemical resistance and easy cleaning.

### 280°C Heating & 1500 rpm Stirring

Digital temperature control to 280°C with 1°C increments. Speed range 200–1500 rpm with  $\pm 1$  rpm resolution.

### External Sensor Ready

PT1000 temperature sensor input for direct medium control at  $\pm 0.5^\circ\text{C}$  accuracy. "HOT" warning flashes above 50°C.

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

## Specifications

Parameter	Value
SKU	MBI75032090
Product Name	Circular LED Digital Hotplate-Stirrer
Work Plate Dimension	Φ135 mm (5 inch)
Work Plate Material	Stainless steel with ceramic coating
Motor Type	Brushless DC motor
Motor Rating Input	5 W
Motor Rating Output	3 W
Power	515 W
Heating Output	500 W
Voltage	100–120 / 200–240 V, 50/60 Hz
Stirring Positions	1
Max. Stirring Quantity (H <sub>2</sub> O)	3 L
Max. Magnetic Bar Length	50 mm
Speed Range	200 – 1500 rpm
Speed Display	LED, resolution ±1 rpm
Temperature Display	LED
Heating Temperature Range	Room temp. – 280°C, 1°C increment
Control Accuracy (Work Plate)	±1°C (<100°C), ±1% (>100°C)
Overheating Protection	320°C
Temperature Display Accuracy	±1°C
External Temperature Sensor	PT1000 (accuracy ±0.5°C)
"Hot" Warning	Flashes above 50°C even when off
Protection Class	IP21
Dimensions (W × D × H)	150 × 260 × 80 mm
Certification	cTUVus (UL & CSA)
Warranty	2 Years