



HOTPLATE MAGNETIC STIRRER BHMS-104

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Compact, automatic and powerful hotplate magnetic stirrer has stainless steel material with a ceramic coating which prevents corrosion. It is available with external temperature sensor PT1000, timer, PC control. A warning sign is display when over-temperature. Timer can be set from 1min to 99h 59min. Used with a wide variety of accessories. Used in Cell Culture, Laboratory, Research, Medical.

Also known as Laboratory Magnetic Hotplate Stirrer, Digital Magnetic Stirrer.

BHMS-104 HOTPLATE MAGNETIC STIRRER



Conforms to international safety standards and regulations

Brushless DC motor is maintenance free and explosion-proof

Fully closed aluminum alloy casing has a high IP protection class (IP42)

The temperature sensor consists of two independent safety circuits, which switches off heating in case of any over temperature situation

"HOT" sign warning to prevent burns, even if switched off.

Intergrated temperature sensor PT 1000 for precise temperature control.

Excellent heat control accuracy at the work plate: $\pm 1 (< 100^{\circ}\text{C}) \pm 1\% (> 100^{\circ}\text{C})$

Digital process timer allows for unattended operation and can be set from 1min to 99h 59min. When the set time has elapsed, the operation stops

Backlit LCD display target and actual temperatures and speed

Automatically identifies temperature sensor PT1000 and transfer to PT1000 operation mode.

Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratch proof

PC can control and document all parameters via RS232 interface

Used with a wide variety of accessories

SPECIFICATIONS

Model	BHMS-104
Capacity	20 L
Stirring Positions	1
Speed Range	100-1500 rpm
Temperature	RT-340°C
Permissible Ambient Temperature	5-40°C
Temperature Increment	1°C
Control Accuracy of Work Plate	$\pm 1 (< 100^{\circ}\text{C}), \pm 1\% (> 100^{\circ}\text{C})$
Temperature Accuracy	$\pm 0.1^{\circ}\text{C}$
Safety Temperature	360°C
Control Accuracy with Sensor PT1000	$\pm 0.2^{\circ}\text{C}$
Permissible Relative Humidity	0.8
Heating Warning	50°C
Timing Range	1 min to 99h 59min
Motor rating Input [W]	18
Motor rating output [W]	10
Heating Output	500 W
Work Plate Size	135 mm
Stirrer Dimension	80 mm

Platform Material	Stainless steel with ceramic coating
Speed Display	LCD
Speed Display Resolution	±1 rpm
Temperature Display	LCD
Remote Control (RS232 interface)	Yes
Motor Type	Brushless DC motor
Protection Class	IP42
Overall Dimension (WxDxH)	160x280x85 mm
Weight	2.8 kg
Power	550 W
Power Supply	100-120V/200-240V, 50/60Hz



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