



## HOTPLATE MAGNETIC STIRRER BHMS-102

## HOTPLATE MAGNETIC STIRRER BHMS-102

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-102 HOTPLATE MAGNETIC STIRRER



External temperature sensor PT1000 is available for hotplate model, real-time control medium temperature.

Simple running interface easy to use and program.

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

Record and display the last running parameters when switch on.

LCD display target and actual temperature, as well as set speed and actual speed can be displayed.

PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy

Brushless DC motor maintenance free and explosion-proofed, accurately control speed

Separate safety circuits with fixed safety temperature of 580°C, automatically stops heating once exceed secure temperature

HOT warning indicates residual hotplate temperature.

LCD display would show "Hot" when hotplate temperature over 50°C warning point, even if switched off.

Software StirPC, computer can control and document all operation values via RS232 interface

## SPECIFICATIONS

Model	BHMS-102
Capacity	20 L
Stirring Positions	1
Speed Range	100-1500 rpm
Temperature	RT-550°C
Permissible Ambient Temperature	5-40°C
Temperature Increment	1°C
Control Accuracy of Work Plate	±1(<100°C), ±1%(>100°C)
Temperature Accuracy	±0.1°C
Safety Temperature	580°C
Control Accuracy with Sensor PT1000	±0.2°C
Permissible Relative Humidity	0.8
Heating Warning	50°C
Motor rating Input [W&#93	18
Motor rating output [W&#93	10
Heating Output	1000 W
Work Plate Size	184x184 mm
Stirrer Dimension	80 mm
Platform Material	Glass ceramic

Speed Display	LCD
Speed Display Resolution	±1 rpm
Temperature Display	LCD
Remote Control (RS232 interface)	Yes
Motor Type	Brushless DC motor
Protection Class	IP21
Overall Dimension (WxDxH)	215x360x112 mm
Weight	5.3 kg
Power	1050 W
Power Supply	100-120V/200-240V, 50/60Hz



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)