

MAGNETIC HOTPLATE STIRRER STR23-550C



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Rugged and compact magnetic hotplate stirrers are ergonomically designed and provide uniform heating surfaces. It delivers reliable and consistent stirring quickly and efficiently. The low-profile design of these magnetic hotplate stirrers makes them easy to store and fit into fume hoods.

Used in Cell Culture, Laboratory, Research, Medical.

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

STR23-550C MAGNETIC HOTPLATE 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	STR23-550C
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	$\pm 1 (< 100^\circ\text{C})$, $\pm 1\% (> 100^\circ\text{C})$
Temperature Accuracy	$\pm 0.1^\circ\text{C}$
Safety Temperature	580°C
Control Accuracy with Sensor PT1000	$\pm 0.2^\circ\text{C}$
Permissible Relative Humidity	0.8
Heating Warning	50°C
18	Motor rating output [W]
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	215Wx360Dx112H mm
Weight	5.3 kg
Power	1050 W
Power Supply	100-120V/200-240V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Dimension
LS55170	Stirrer bar		10mm x 6mm
LS55171	Stirrer bar		15mm x 8mm
LS55172	Stirrer bar		20mm x 8mm
LS55173	Stirrer bar		25mm x 8mm
LS55174	Stirrer bar		30mm x 6mm
LS55175	Stirrer bar		40mm x 8mm
LS55176	Stirrer bar		50mm x 8mm
LS55177	Stirrer bar remover	Length of 200mm	
LS55180	Temperature sensor	Length of 230mm	
LS55181	Temperature sensor with glass coating	Length of 230mm	
LS55182	Temperature sensor	Length of 100mm	



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