

# MAGNETIC HOTPLATE STIRRER STR22-340C



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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.

## STR22-340C MAGNETIC HOTPLATE 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.

Integrated 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	STR22-340C
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
18	Motor rating output [W&#93
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	160Wx280Dx85H mm
Weight	2.8 kg
Power	550 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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