

# MAGNETIC HOTPLATE STIRRER STR22-340



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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.

## STR22-340 MAGNETIC HOTPLATE STIRRER

External temperature sensor PT1000 is available for hotplate model, real-time controls 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 parameter when switch on.

LCD display target and actual temperatures, as well as set 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

Fully closed assembly guarantees safety and long service life, effectively prevents the liquid into unit to protect the components from damage

Separate safety circuits, fixed safety temperature of 360°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	STR22-340
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
Motor rating Input [W&#93	18
Motor rating output [W&#93	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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