

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	±1(<100°C), ±1%(>100°C)
Temperature Accuracy	±0.1°C
Safety Temperature	360°C
Control Accuracy with Sensor PT1000	±0.2°C
Permissible Relative Humidity	0.8
Heating Warning	50°C
18	Motor rating output [W]
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	
LS55183	Reaction block	For 50ml round bottom flask (one flask capacity)	
LS55184	Reaction block	For 100ml round bottom flask (one flask capacity)	
LS55185	Reaction block	For 250ml round bottom flask (one flask capacity)	
LS55186	Reaction block	For 500ml round bottom flask (one flask capacity)	
LS55187	Blue carrying plate	Used with BKSTR-1021 to BKSTR-1026	
LS55188	Blue Fixed ring	Used with BKSTR-1021 to BKSTR-1026	
LS55189	Red quarter pie	11 holes, 4 ml reaction vessel, Ø15.2mm, 20mm depth, used with SX1019 and SX1020	
LS55190	Purple quarter pie	4 holes, 20 ml reaction vessel, Ø28mm, 24mm depth, used with SX1019 and SX1020	
LS55191	Blue quarter pie	4 holes, 30 ml reaction vessel, Ø28mm, 30mm depth, used with SX1019 and SX1020	
LS55192	Black quarter pie	4 holes, 40 ml reaction vessel, Ø28mm, 43mm depth, used with SX1019 and SX1020	
LS55193	Green quarter pie	6 holes, 8ml reaction vessel, Ø17.8mm, 26mm depth, used with SX1019 and SX1020	
LS55194	Golden quarter pie	4 holes, 16ml reaction vessel, Ø21.6mm, 31.7mm depth, used with SX1019 and SX1020	
LS55195	Stirrer bar	Stirrer bar (65mm x 8mm), 1pc/pk	
LS55196	Stirrer bar	Stirrer bar (80mm x 13mm), 1pc/pk	

LS55197	Protective cover	For hotplate model	
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