

# 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.

Intergrated 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   |
| 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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