

## ANALOG HOTPLATES, STIRRERS AND STIRRING HOT PLATES



### ECHOtherm™ Analog Hot Plate/Stirrers

Quick heating, strong stirring and rugged design at a reasonable price.

**Heat, stir, or heat and stir on a rugged, quick heating, flat, white, solid ceramic heater surface.**

- Heat to 450°C on plate surface in minutes
- Stir from 100 to 1500 rpm
- Large heater plate size: 8" (20.32cm) x 8" (20.32cm)
- Solid ceramic heater surface for excellent chemical resistance
- Heater plate mounted in cast aluminum frame that remains cool for safety
- Efficient 600-watt heaters
- Fused for safety
- Rugged cast aluminum chassis
- 12-month warranty
- UL, CSA, and CE certified

### Product Description:

Each Torrey Pines Scientific hot plate is made with a cast aluminum chassis that is painted with chemically resistant epoxy paint. The chassis is designed to keep spills out of the case. Heating and stirring controls are solid state with individual indicator lights which illuminate when either is activated. The controls are well forward of the heater surface to prevent accidental burns. Additionally, the solid ceramic heater plate is framed in cast aluminum and is designed to keep heat from the edge of the heater plate. .

The stirrer features a solid state control capable of stirring an aqueous solution from 100 to 1500 rpm. The control has an OFF position fully counter-clockwise, and is continuous over 270 degrees of rotation from minimum to maximum speed when turned on. The magnet is a circular disc with twenty pound pull strength and is capable of stirring more than two liters of aqueous solution.

The heater control has OFF, LO, and HIGH positions for quick setting, and a smooth infinite control of about 270 degrees between LO and HIGH settings. The control will regulate a set point to  $\pm 2.5^{\circ}\text{C}$ .

Control knobs are specially selected to provide easy use and positive, tactile feel. All units are fused, and have a 3-foot long detachable AC line cord with a male plug that matches the local standard. The warranty is 12 months. .

## Product Specification:

Hot Plate:	
Solid ceramic	
Maximum temperature of the plate surface	450°C
Time to maximum temperature, unloaded	under 3 minutes
Temperature control	±2.5°C
Heater power, watts	600 watts
Stirrer:	
Speed range unloaded	100 to 1500 rpm
Maximum load, aqueous	Over 2 liters
Magnet strength	20 pounds
Weight capacity on heater surface	Over 50 pounds (22.5 kilos)
Electrical:	
Operating voltages available	100, 115, 230VAC
Power consumption	650 watts
Current Draw	100/115VAC: 6.5A 230VAC: 3.25A
Unit size	12" (33cm) deep x 9" (22.9cm) wide x 3.5" (8.9cm) tall
Unit Weight, unpacked	10 pounds (4.5kg)
Unit Weight, packed	12 pounds (5.4kg)