

The Sophisticated stirrer hotplates offering digital control of both temperature and stirring speed. Comes complete with a detachable PTFE coated probe which when immersed in a liquid sample can very accurately control its temperature to within $\pm 0.5^{\circ}\text{C}$ even over a very long period of time.

As the hotplate heats the sample to the set temperature, the advanced microprocessor automatically measures the rate of temperature rise to judge the capacity and nature of samples (e.g. oil or aqueous).

It then optimises the heating rate to minimize overshoot and time to set point. An audible alert sounds when the set temperature has been reached.

Both set and actual temperature of the sample are displayed simultaneously on a bright, easy to read LCD display. For maximum security, an independent safety circuit automatically sets to 20°C above the set temperature and shuts off the heater if the temperature exceeds this. Therefore, the hotplate is safe to leave on continuously, even unsupervised e.g. overnight. Internal electronic components are protected against corrosion with a special coating.

Stirring action gives much better temperature uniformity within samples because the liquid is mixed effectively. Powerful magnets and motor give stirring speeds up to 1300 rpm and volumes up to 15 litres*.

Stirring speed is set and displayed digitally so that exactly the same speed can be used each time for reproducibility.

Salient Feature

Digital LCD display with back light Big Size ceramic hot plate with flame, protection and durability Heating and stirring can proceed simultaneously.

Temperature & Stirring speed is stepless adjusted.

Real Temperature & speed display on the screen simultaneously

Two sensors, outside PT100 sensor controls the liquid temperature, inside K type sensor control the hot plate temperature (selectable)

Over temperature alarm.

Display	Digital
Speed (RPM)	100-1600
Plate Size (mm)	190 x 190
Top Plate Type	Ceramic
Max. Volume (ml)	5000
Temp. Controller	PID
Max. Temp (Plate Surface)	300°C
Temp. resolution	0.1°C
Temp. Accuracy	$\pm 0.5^{\circ}\text{C} (< 100^{\circ}\text{C}) \pm 1^{\circ}\text{C} (< 300^{\circ}\text{C})$
Power Wattage	600 W
Power Supply	AC 220V / 50Hz
Dimension LxWxH (mm)	300 x 190 x 126
Weight	5 Kg

