Email : sales@scilabexport.com
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Product Name :

Laboratory Digital Rectangular Hot Plate

Product Code :

SLE/LHP/05



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Description :

Laboratory Digital Rectangular Hot Plate (Product Code: SLE/LHP/05) combines a large rectangular cast iron plate with a PID controller that reads an external temperature probe, so it controls the temperature of the liquid being heated rather than just the plate. It comes with the probe, support rods and clamps, and its heavy duty element can bring the top surface up to 350°C. Chemistry, pharmacy and food science labs that need controlled batch heating in several vessels treat it as one of the core laboratory instruments India colleges and QC units keep on the bench. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Plate	Rectangular, cast iron, enclosing a heavy duty heating element
Body	MS (mild steel) body
Temperature control	PID controller with precise regulation via external probe
Maximum top surface temperature	Up to 350°C
Rating	1.2 kW, 1.6 kW
Sizes	30 x 25 cm (12 x 10"), 40 x 25 cm (16 x 10"), 45 x 30 cm (18 x 12")
Included	External temperature probe, support rods and clamps

Typical Use

The external probe is what sets this plate apart. Clamp it on the support rod, dip its tip into the solution in one of the vessels, and the PID controller adjusts heating until that liquid sits at the set value. This is the arrangement to use for holding a reaction or extraction at a fixed temperature, warming media or buffers to a defined point, or running a dissolution or solubility practical where students record results at a stated temperature.

Departments comparing chemistry lab instruments supplier options often choose the size by the number of vessels: the smallest plate suits a single analyst, while the largest serves a group bench. Keep the probe tip fully immersed and away from the vessel wall, place it in a vessel that is representative of the batch, and wipe and dry the probe after use so residue does not affect later readings.

Manufacturer

ScienceLab products, this digital hot plate among them, are made by Jain Scientific Equipments Private Limited from its base in Ambala, Haryana. Our company profile gives an overview of the company and its range.

Related Laboratory Equipment

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