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Product Name :

Heat Transfer

Product Code :

SLE/EA/26



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Description :

Heat Transfer (Product Code: SLE/EA/26) is a base unit used to supply cold water, heater power and temperature measurement to optional heat transfer experiments in engineering teaching laboratories. Lab instructors connect each optional experiment to it and read temperatures and heater power on clear, multi-line digital displays, while a safety switch stops the heater from becoming too hot. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, within its range of lab equipment for technical institutes.

Specifications

Parameter	Detail
Role in the range	Core unit serving the optional heat transfer experiments
Water system	Connects to a suitable cold water supply and drain
Water flow control	Hand-operated valve for a controllable flow, with a simple return pipe (both colour-coded)
Water connections to experiments	Self-sealing quick connectors
Thermocouple inputs	Sockets for the thermocouples built into each optional experiment
Heater supply	Variable and measured electrical current to the heater in each experiment
Heater protection	Works with a safety switch to stop the heater from becoming too hot
Displays	Clear, multi-line digital displays of temperatures and heater power
Expansion space	Spare area to the right of the frame for fitting optional data-acquisition hardware
Optional experiments	Each on a bedplate with a clear schematic of connections and measuring point positions
Product code	SLE/EA/26
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Heat Transfer Base Unit Used For?

The base unit turns a single bench into a heat transfer teaching station. Each optional experiment sits on its own bedplate; students link its water lines through the self-sealing quick connectors, plug its thermocouples into the sockets, set the heater current and watch the displays until the temperatures settle. They then record temperatures and heater power for their calculations, and because one unit serves every experiment in the range, a department can add experiments over time w

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