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Product Name :

Heat Transfer Kit

Product Code :

SLE/H/05



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Description :

Heat Transfer Kit (Product Code: SLE/H/05) lets students observe and measure heat flowing by conduction from a hot body to a cold one. It combines two insulated containers with lids, an aluminium transfer bar that links them, two thermometers and instructions, so a complete investigation can be set up in minutes. It is a ready physics experiment kit for school heat topics, made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Purpose	Observing and measuring heat transfer
Containers	2 insulated containers with lids
Transfer bar	Aluminium
Thermometers	2 included
Documentation	Instructions included

Typical Use

Pour hot water into one insulated container and cold water into the other, fit the lids, and bridge the two with the aluminium transfer bar. With a thermometer in each container, students log both temperatures every minute or two and plot them on the same graph: the hot line falls, the cold line rises, and the two curves close in on a common value. The insulated walls and lids keep losses to the room small, so most of the change can be credited to heat travelling along the metal bar.

The kit supports discussion of temperature gradient, rate of transfer and thermal equilibrium, and suits both a teacher demonstration and small-group practical work. Extension ideas include starting with different temperature gaps to see how the rate changes, or comparing results with a lid removed to show the role of insulation. Rinse and dry the containers after use and store the thermometers in their places so they are ready for the next thermometry lesson.

Manufacturer

This kit is assembled under the ScienceLab name by Jain Scientific Equipments Private Limited, whose operations are based in Ambala, Haryana. The company supplies ready-to-use practical kits and apparatus to schools and colleges in India and international markets — more on the company profile.

Related Laboratory Equipment

Apparatus that builds on the same conduction lesson:

- Thermal Conductivity Bars — compares four metals side by side.
- Heat Conducto meter — ranks five metal rods by conduction rate using paraffin.
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