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Product Name :

Apparatus Conductivity Cam

Product Code :

SLE/PHY/07



Science Lab
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Description :

Apparatus Conductivity Cam (Product Code: SLE/PHY/07) is a thermal-conductivity demonstrator used to compare how well different metals conduct heat in school and college physics classes. Metal rods are mounted vertically on the outside of the base of a cylindrical copper vessel, and the indices supplied with it let students mark results so they can be studied later. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school physics lab equipment in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Purpose	Demonstrates the different thermal conductivities of different metals
Vessel	Cylindrical copper vessel with a thick rim at the top
Mounting	Rim rests on a ring fitted to a retort stand
Test rods	Metal rods mounted vertically on the outer side at the base of the vessel
Indices	Supplied complete with indices, so observations can be studied ata later stage
Product code	SLE/PHY/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Metal Conductivity Apparatus Used For?

The vessel is supported by its rim in a ring on a retort stand, so the rods hang below it. Hot water fills the copper vessel and heat travels down each rod at a rate set by the conductivity of its metal. A common way to make the difference visible is to coat the rods thinly with wax beforehand: the wax melts furthest along the better conductors, and students use the indices to mark how far the melting has reached on each rod.

Because the indices hold the readings, the class can compare the rods after the apparatus has cooled, rank the metals from better to poorer conductor, and relate the result to everyday choices such as copper-bottomed pans. Keep the vessel steady in its ring while filling it, keep hands clear of the hot copper, and let everything cool before the indices are handled.

OEM Manufacturer

Jain Scientific Equipments Private Limited, which markets its products under the ScienceLab name, is the OEM (original equipment manufacturer) of this conductivity apparatus and one of the physics instruments manufacturers based in Ambala, Haryana. The apparatus is manufactured at the company's own licensed factory at Saha, Ambala, and shipped factory-direct to schools, colleges, science dealers and importers. For replacement indices or a repeat order, ask us direct

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