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Product Name :

Wood & Metal Cylinder

Product Code :

SLE/PHY/320



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Description :

Wood & Metal Cylinder (Product Code: SLE/PHY/320) is a 200 x 30mm cylindrical rod, half metal and half wood, used to demonstrate the difference between good and poor conductors of heat in school physics and general science labs. Paper wrapped round the rod and held briefly over a Bunsen flame scorches over the wood but stays uncharred over the metal, a result students remember. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and physics instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Form	Cylindrical rod made of two halves
Materials	One end metal, the other end wood
Dimensions	200 x 30mm (dia.)
Heat source needed	Bunsen flame (not included)
Product code	SLE/PHY/320
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Wood and Metal Cylinder Used For?

Wrap a single sheet of paper tightly round the join so that half the paper lies on wood and half on metal, then hold the rod briefly above a Bunsen flame. The metal conducts heat away from the paper so quickly that the paper over it stays below the temperature at which it chars. Wood is a poor conductor, so the paper over the wooden half heats up and scorches almost at once.

The side-by-side result makes this a memorable heat energy science kit piece for lessons on conduction, insulators and everyday examples such as wooden handles on metal pans. Keep the exposure short, hold the rod at the end away from the flame, and have students allow the metal half to cool before touching it or rewrapping.

OEM Manufacturer

The Wood & Metal Cylinder comes from Jain Scientific Equipments Private Limited, which trades as ScienceLab and acts as the OEM for this apparatus. The rods are made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied direct from the factory to schools, colleges, dealers and importers. Ask us for repeat orders or class quantities and the manufacturer will quote directly. Our company profile has more background.

Related Physics Lab Equipment

Items that pair well with the Wood & Metal Cylinder in a conduction lesson:

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