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Product Name :

Capillary Tube Apparatus

Product Code :

SLE/PHY/32



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Description :

Capillary Tube Apparatus (Product Code: SLE/PHY/32) is a demonstration apparatus used to show how the bore of a capillary tube affects the height to which water rises in it, in school and college physics laboratories. A metal frame holds six capillary tubes of different bores upright in a water trough, so the different column heights are visible at a glance. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, for capillary tube experiments in India and abroad.

Specifications

Parameter	Detail
Capillary tubes	Six, each of a different bore
Length of capillary tubes	150 mm
Frame	Metal frame holding the tubes vertically in a trough
Overall height of frame	90 mm
Liquid	Trough filled with water
Demonstrates	Relationship between capillary pressure and the bore diameter of the tube
Product code	SLE/PHY/32
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Capillary Tube Apparatus Used For?

The apparatus demonstrates capillarity, one of the most visible effects of surface tension. Once water is poured into the trough, it climbs each tube to a different height: the narrower the bore, the higher the column. Seeing all six columns side by side lets students link the rise directly to tube diameter and discuss why capillary pressure increases as the bore gets smaller.

For the clearest display, use clean tubes, since grease inside a tube reduces the rise, and add a drop of coloured ink to the water so the columns stand out from the back of the room. Rinse and dry the tubes after use. The unit makes a useful companion to surface tension apparatus in India when a lesson needs a quick qualitative demonstration before quantitative work.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM that manufactures this capillary tube apparatus at its own licensed factory at Saha, Ambala, Haryana, India. The company is a registered MSME enterprise (Udyam UDYAM-HR-01-0003714), and export consignments are shipped under Importer-Exporter Code AAECJ8618A issued by the DGFT.

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