Email : sales@scilabexport.com
Phone: +91-7082934803

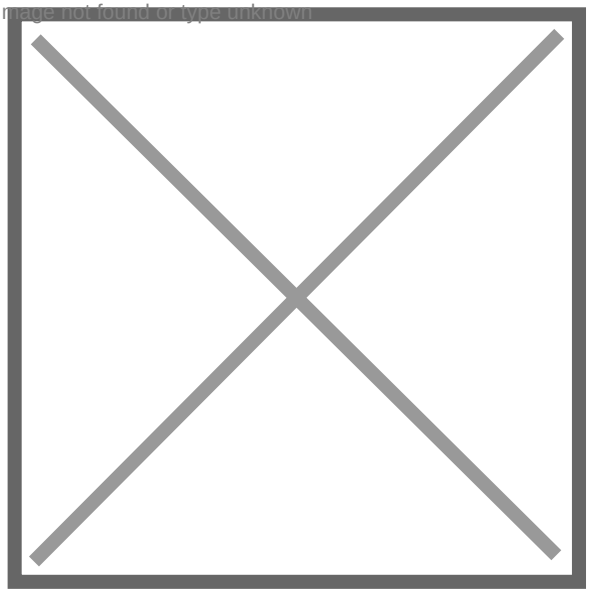
Product Name :

Ingen-Hauszs Apparatus

Product Code :

SCI-1355/020

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Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Ingen-Hauszs Apparatus (Product Code: SCI-1355/020) is a thermal conductivity demonstration apparatus used to compare how quickly heat travels along different metals in school and college physics laboratories. Six equal rods of copper, iron, lead, brass, zinc and aluminium share one heated tank, so a class sees the difference side by side. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India,as part of its physics lab equipment range.

Specifications

Parameter	Detail
Test rods	Six equal rods: copper, iron, lead, brass, zinc and aluminium
Rod size (each)	130 mm x 3 mm diameter
Rod mounting	Mounted in corks, with the lower ends inside the tank
Tank dimensions	210 x 75 x 75 mm
Tank support	Four legs holding the tank 170 mm above the bench
Method	Rods lightly coated with paraffin wax; rates of melting compared
Product code	SCI-1355/020
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Ingen-Hausz Apparatus Used For?

Ingen-Hausz's experiment is the classic way to show that metals conduct heat at different rates. Each rod is given a thin, even coat of paraffin wax, hot water is placed in the tank, and heat flows up the rods from their lower ends. The wax softens and melts furthest along the better conductors, so copper and aluminium usually show the longest melted lengths while lead shows the shortest.

For a fair comparison, coat all six rods to the same thickness and leave the set undisturbed until the melt lines stop moving. Senior students can measure each melted length with a ruler and use the relation that, in the steady state, the square of the melted length is proportional to the thermal conductivity. It fits neatly into a secondary or senior-secondary heat practical on conduction.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, and this conduction apparatus is produced and assembled at the company's own licensed factory at Saha, Ambala, Haryana, rather than bought in from a trader. Schools, colleges, dealers and importers therefore deal with the manufacturer directly for the complete set. If you later need replacement rods, corks or a second set for another lab, ask us and the request is handled at the factory. Read the comp

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Email : sales@scilabexport.com
Phone: +91-7082934803