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Product Name :

Calorimeter, Copper

Product Code :

SLE/PHY/144





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Description :

Calorimeter, Copper (Product Code: SLE/PHY/144) is a plain copper calorimeter vessel used to contain water or other liquids in specific-heat, latent-heat and cooling experiments in school and college physics laboratories. At 100 mm long and 65 mm in diameter, with parallel sides and a rolled rim, it leaves room for a thermometer, a stirrer and a solid sample; no stirrer is included. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Material	Copper
Shape	Parallel sides, rolled rim
Length	100 mm
Diameter	65 mm
Stirrer	Without stirrer
Product code	SLE/PHY/144
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Copper Calorimeter Used For?

Copper conducts heat very well, so the vessel and its contents settle to the same temperature quickly, which keeps readings consistent. Common practicals include the specific heat capacity of a solid by the method of mixtures, the latent heat of vaporisation of water by condensing steam into the cup, and Newton's law of cooling, where the copper cup is filled with hot water and its temperature is logged as it cools.

It is a standard piece of thermometry apparatus in India's physics labs. Keep the outside surface clean and bright to limit heat lost by radiation, weigh the empty vessel before each experiment, and dry it straight after use to slow tarnishing. A separate stirrer is needed, since the cup is supplied bare.

What to Specify When Ordering

- The quantity of copper calorimeters per lab or per student pair.
- Stirrers and thermometers to go with them, as none are included.
- Any lagging or outer container for insulated work.
- Whether aluminium calorimeters are also needed for comparison.

OEM Manufacturer

This copper calorimeter is made by Jain Scientific Equipments Private Limited, the company behind the ScienceLab brand, located at Saha, Ambala, Haryana.

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