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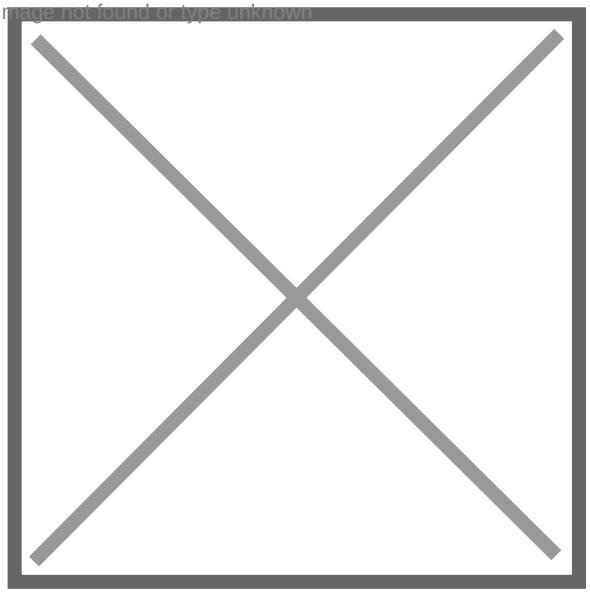
Product Name :

Apparatus for Newton's Cooling Law

Product Code :

SCL-333/065

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Description :

Apparatus for Newton's Cooling Law (Product Code: SCL-333/065) is a heat-transfer apparatus used to study how a hot body loses heat to its surroundings in school and college physics laboratories. Students use this Newton's law of cooling apparatus to record and compare cooling curves, with two copper calorimeters held in a trough inside an outer tank. It is produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Principle demonstrated	Newton's law of cooling (heat transfer between two bodies)
Calorimeters	Two, made of copper
Arrangement	Calorimeters rest inside a trough, which stands in an outer tank
Outer tank top	Wooden top with two holes for thermometers
Product code	SCL-333/065
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Newton's Cooling Apparatus Used For?

Newton's law of cooling states that the rate at which a body loses heat is proportional to the difference between its temperature and that of its surroundings. With this apparatus, hot water is poured into a calorimeter, a thermometer is passed through the wooden top, and the temperature is noted at regular intervals as it cools; plotting temperature against time gives the cooling curve.

Having two copper calorimeters lets a class cool two liquids, or two quantities of the same liquid, side by side under identical surroundings — the basis of finding the specific heat of a liquid by the method of cooling. Stir gently before each reading, keep the set away from draughts and fans, and start timing only once the thermometer reading is falling steadily. It is a dependable thermometry apparatus for calorimeter lab practicals.

OEM Manufacturer

ScienceLab is the brand name of Jain Scientific Equipments Private Limited, and the company is the OEM for this cooling-law apparatus. Each set is made at its own licensed factory at Saha, Ambala, Haryana, India, and dispatched factory-direct to schools, colleges, institutions and dealers. If your department later needs a replacement calorimeter or wooden top, ask the manufacturer directly. Background on the company is on the ScienceLab profile page.

Related Physics Lab Equipment

A cooling-law practical also needs timing, temperature measurement and a way to heat water. These