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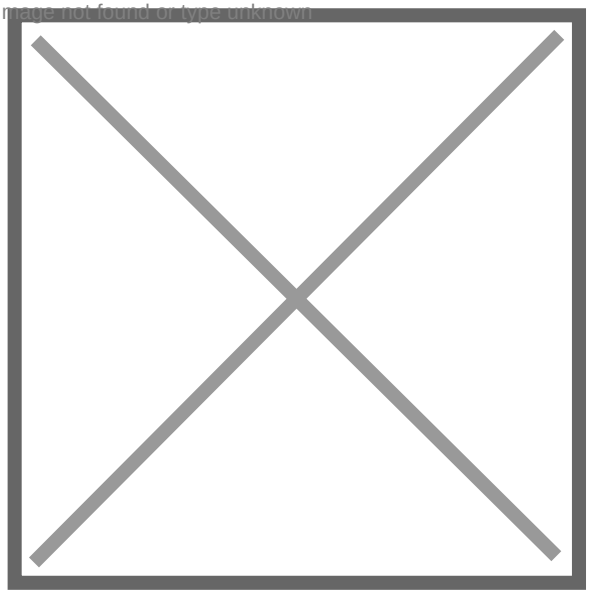
Product Name :

Apparatus for Demonstrating the Change of Aggregate States of Matter

Product Code :

SCL-377/012

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Description :

Apparatus for Demonstrating the Change of Aggregate States of Matter (Product Code: SCL-377/012) is a stand-and-sensor setup used to follow the temperature of a substance as it melts, boils or condenses, in school science and physics classrooms. A 500 ml glass beaker held on a vertical tripod is monitored with temperature sensors reading to 0.1 °C, and a chart explains the states of matter. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Stands	Vertical tripod, plus a triangular stand
Temperature sensors	Air temperature sensors; scale from -30 °C, resolution 0.1 °C (please confirm the upper scale limit with us)
Clips	5
Beaker	Glass, 500 ml
Bulbs	Five
Chart	Chart for demonstrating the change of aggregate states of matter
Product code	SCL-377/012
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Change of States of Matter Apparatus Used For?

The set supports the standard lessons on solids, liquids and gases. A substance such as ice or water is placed in the 500 ml beaker on the tripod and warmed with a suitable laboratory heat source, while the sensors are held in position with the clips so that temperature can be logged at regular intervals. Plotting temperature against time gives a heating curve with flat sections at the melting and boiling points, where energy goes into changing the state rather than raising the temperature.

The chart lets the teacher link each flat section of the curve to the change taking place — melting, boiling, condensing or freezing — and the 0.1 °C resolution makes those plateaus easy to pick out in the data. Keep the beaker centred on the stand, never heat it empty, and let glassware cool before handling. For schools building up thermometry apparatus in India or overseas, it brings a complete change-of-state demonstration together in one set.

What to Specify When Ordering

- The number of units needed for your demonstration benches.
- The temperature range your experiments need, so that the sensor scale can be confirmed before dispatch.
- [illegible]

OEM