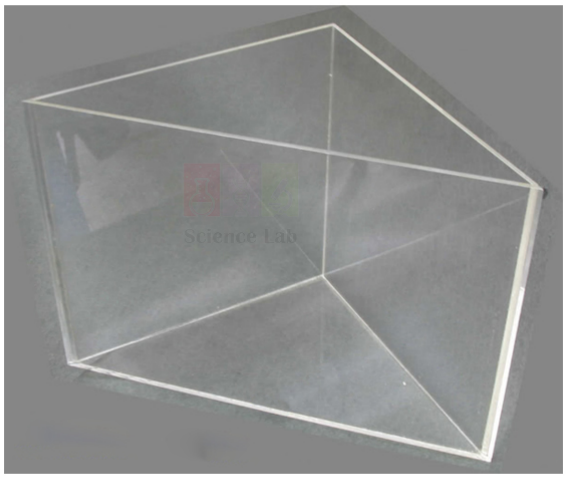
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Product Name :

Microwave Accessories Hollow Prism

Product Code :

SLE/PHY/248



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Description :

Microwave Accessories Hollow Prism (Product Code: SLE/PHY/248) is a hollow perspex prism used to show the refraction and deviation of microwaves in school and college physics experiments. Filled with paraffin it bends a microwave beam, and filled with water the same piece of physics lab equipment serves for optics experiments with light. It stands about 21 cm high with a longest side of roughly 30 cm and is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of optics lab equipment in India, at its own factory inAmbala.

Specifications

Parameter	Detail
Type	Hollow prism
Material	Perspex sheets
Height	21 cm (approx.)
Longest side	30 cm (approx.)
Filling for microwave experiments	Paraffin
Filling for optics experiments	Water
Product code	SLE/PHY/248
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Microwave Hollow Prism Used For?

With the prism filled with paraffin and placed in the beam of a microwave transmitter, students move the receiver around the prism to find the direction in which the signal emerges, then measure the angle of deviation. Repeating the test with the prism empty suggests that the filling, not the thin perspex walls, does most of the bending, which shows clearly that microwaves refract in the same way as light.

Drained, rinsed and refilled with water, the prism becomes a large liquid prism for light-ray work with a ray box, so students can compare refraction in water with refraction in a solid prism from a standard optics lab equipment set. Keep perspex away from solvents and abrasive cleaners, which can craze or scratch it, and wipe it dry with a soft cloth after each use.

What to Specify When Ordering

- The number of prisms required.
- Whether paraffin for the microwave experiments should be quoted, as the listing does not say it is included.
- Whether a microwave transmitter/receiver and rotating protractor are also needed.

OEM Manufacturer

Scien inal equip comp

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