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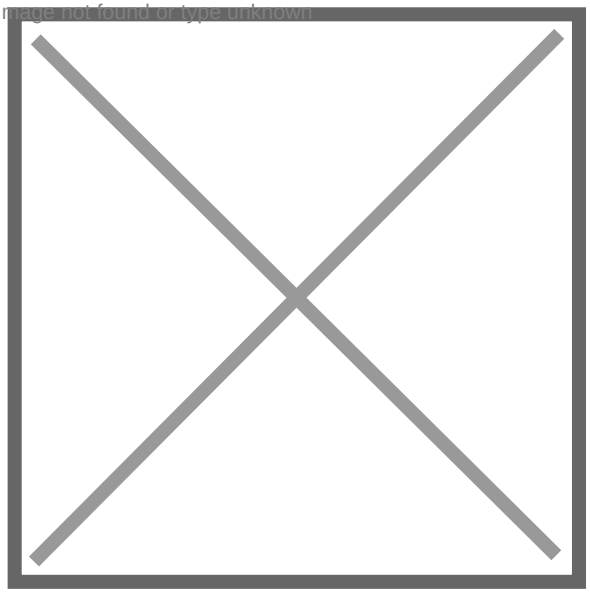
Product Name :

Faraday's Pails

Product Code :

SLE/PHY/172

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Description :

Faraday's Pails (Product Code: SLE/PHY/172) is a set of nesting metal containers used to study how charge collects on the outside of a hollow conductor in school and college electrostatics lessons. The four aluminium cylinders, ranging from 150 mm down to 75 mm in diameter, each stand on insulating feet so they can be used singly or one inside another. The set ismanufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM, at its own factoryin Ambala, India.

Specifications

Parameter	Detail
Set contents	4 nesting, cylindrical containers
Material	Aluminium
Insulation	Each container fitted with insulating feet
Largest pail	150 mm dia x 120 mm high
Second pail	120 mm dia x 110 mm high
Third pail	90 mm dia x 90 mm high
Smallest pail	75 mm dia x 75 mm high
Product code	SLE/PHY/172
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Are Faraday's Pails Used For?

In the classic ice-pail experiment, a charged object is lowered into a pail connected to an electroscope: the reading rises as the object enters and then stays the same wherever the object sits inside, showing that the induced charge appears on the outer surface. Nesting the four pails lets students go further, testing electrostatic shielding and charge transfer between concentric conductors.

The insulating feet keep each pail isolated from whatever it stands on, so charge stays where the experiment puts it. Keep the feet clean and dry, since dust or moisture lets charge leak away. The set is a natural addition when building an electrostatics bench as part of physics lab equipment for schools and colleges in India.

What to Specify When Ordering

- The number of sets required (each set is four nesting pails).
- An electroscope or coulomb meter for reading the charge, if not already in your lab.
- A charge source, such as friction rods or a Van de Graaff generator.

OEM

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