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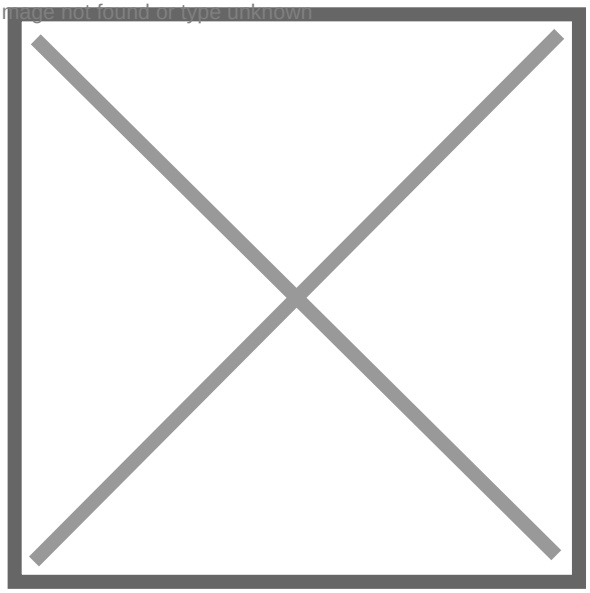
Product Name :

Apparatus Coulomb's Law

Product Code :

SLE/PHY/09

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Description :

Apparatus Coulomb's Law (Product Code: SLE/PHY/09) is an electrostatics apparatus used to verify Coulomb's law by directly measuring the force between two charged spheres in school and college physics labs. One sphere hangs from the top of a box and the other rests on its bottom; students read the hanging sphere's deflection on a ruler, with a mirror to remove parallax. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Purpose	Verifies Coulomb's law of the force between charges by direct measurement
Sphere arrangement	One sphere suspended from the top of a box; the other rests on the bottom
Measurement	Deflection of the hanging sphere read on an easy-to-read ruler, from which the force is calculated
Parallax control	A mirror assures accuracy by eliminating parallax
Construction	Fully assembled and self-contained
Product code	SLE/PHY/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Coulomb's Law Apparatus Used For?

When the two spheres carry like charges and are brought together, the hanging sphere is pushed aside. Its sideways deflection, read on the ruler while lining the sphere up with its reflection in the mirror, lets students calculate the electrostatic force from the geometry of the suspension. Repeating the reading at different separations shows the force falling as the spheres move apart, which students then compare with the inverse-square relationship.

Electrostatic experiments work best in dry air, so run them away from open windows and humid corners, and discharge both spheres by touching them to earth between trials. Charge them from a source such as a friction rod or a suitable high-voltage supply, and keep hands and sleeves clear of the box while readings are taken. As educational physics lab equipment, it turns an abstract formula into a quantity students can measure for themselves.

OEM Manufacturer

Jain Scientific Equipments Private Limited sells under the ScienceLab brand and is the OEM (original equipment manufacturer) of the Apparatus Coulomb's Law. The apparatus is manufactured at the company’s licensed factory at Saha, Ambala, Haryana, India, and delivered fully a ctly abou

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