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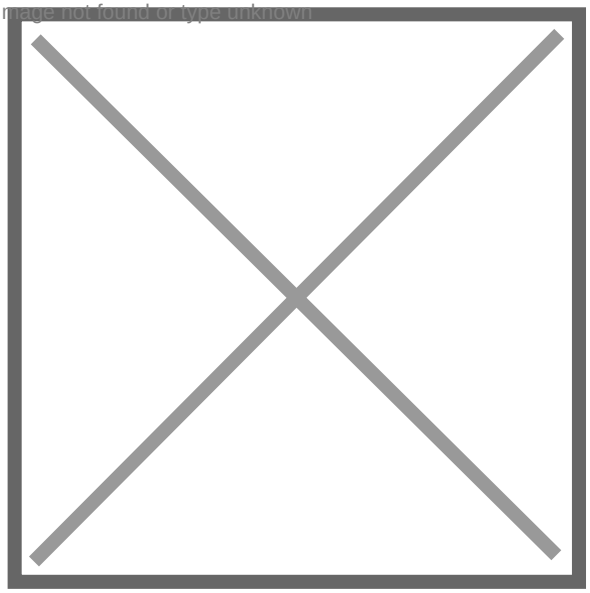
Product Name :

Apparatus for Distributing Electric Charges

Product Code :

SCL-353/027

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Description :

Apparatus for Distributing Electric Charges (Product Code: SCL-353/027) is an electrostatics demonstration set used to show how electric charge is produced by rubbing, shared by contact and distributed over conductors, in secondary school physics lessons. Four metal spheres on plastic insulating handles, polyethylene and celluloid tapes, a friction cloth and a 200 mm gold-leaf electroscope let the class create charge and detect it. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Metal spheres	Four, mounted on plastic insulating handles (50 mm)
Insulating handles	A separate insulating handle, plus an insulating handle for the electroscope plates with foil
Charging materials	Polyethylene tape, celluloid tape, nylon wrap and a friction cloth
Aluminium cans	Two
Accessories	Wire stirrer and chrome wire hook
Electroscope	Gold-leaf electroscope, 200 mm diameter
Product code	SCL-353/027
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Electric Charge Distribution Apparatus Used For?

Electrostatics lessons start with charging by friction: rubbing the polyethylene or celluloid tape with the friction cloth leaves the two materials with opposite charges, which students detect by bringing the charged object to the gold-leaf electroscope and watching the leaves spread. The metal spheres on their insulating handles then show how charge moves between conductors — touching a charged sphere to an uncharged one shares the charge between them, and the electroscope confirms the result.

The two aluminium cans take the lesson on to where charge sits on a conductor: tests with the insulated spheres show that charge gathers on the outer surface of a hollow can rather than inside it. Work in dry conditions, since humid air lets charge leak away quickly, hold the spheres only by their insulating handles, and discharge everything by touching it to earth between experiments. For schools stocking physics lab equipment in India and overseas, the set covers the core electrostatics topics taught in secondary school.

What to Specify When Ordering

- The number of sets needed for your physics laboratories.
- Spare tapes or friction cloths for heavy classroom use
- ch.

OEM

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