Science Lab

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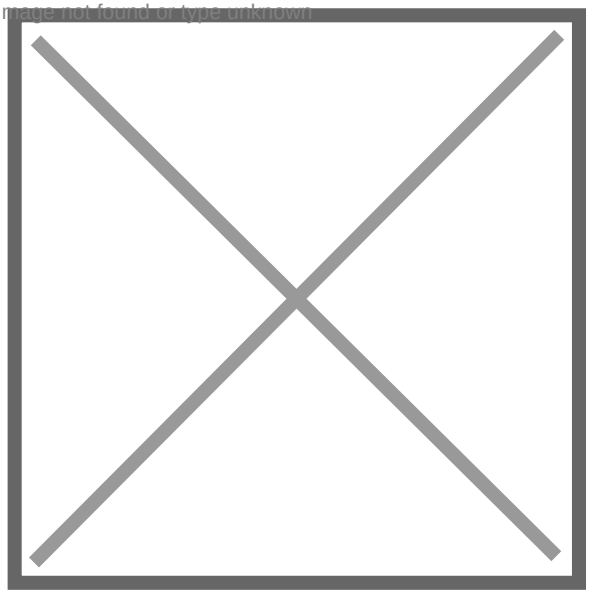
Product Name :

Apparatus for Demonstration Of The Galvanic Element (with Galvanometer)

Product Code :

SCI-069/010

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Description :

Apparatus for Demonstration Of The Galvanic Element (with Galvanometer) (Product Code: SCI-069/010) is an electrochemical cell kit used to build a zinc–copper galvanic cell and show the current it produces in school and college chemistry lessons. Teachers rely on it to explain how chemical energy becomes electrical energy, using two 250 ml glass cups, zinc and copper plate electrodes, a U-shaped glass tube and a laboratory galvanometer. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Cell vessels	2 glass cups, 250 ml scale
Electrodes	Zinc and copper, in the form of plates
Ion bridge	U-shaped glass tube
Current indicator	Laboratory galvanometer
Connections	Electrical conductors
Product code	SCI-069/010
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Galvanic Element Apparatus Used For?

The set is normally arranged as a Daniell-type cell: the zinc plate stands in zinc sulfate solution in one cup, the copper plate in copper sulfate solution in the other, and the U-shaped tube, filled with a salt solution, joins the two cups as a salt bridge. When the conductors link both plates to the galvanometer, the needle deflects and shows electrons flowing from zinc to copper. Lifting the U-tube out breaks the circuit, which lets students see why an ion path is needed.

As a chemistry teaching kit it also supports lessons on oxidation, reduction and the reactivity series. Clean the plates with fine abrasive paper before each class so the reading is steady, and rinse the cups and U-tube after use. The listed contents do not include solutions, so order the electrolytes separately.

What to Specify When Ordering

- How many sets you need, for example one per student group.
- Whether copper sulfate and zinc sulfate should be quoted with the apparatus.
- Any spare zinc or copper plates you would like to hold as consumables (ask us about availability).

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the original equipment manu…sed factor…lers and i…