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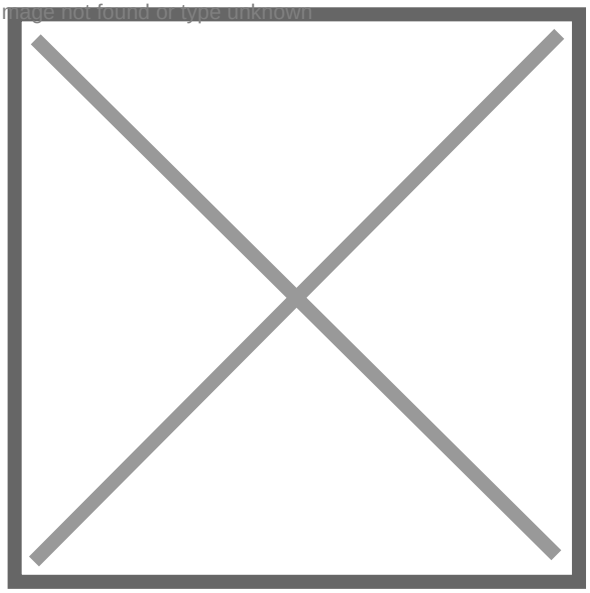
Product Name :

Oersted's Apparatus

Product Code :

SLE/PHY/263

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Description :

Oersted's Apparatus (Product Code: SLE/PHY/263) is a pivoted magnetic needle inside a current-carrying frame, used to show the action of an electric current on a magnet in school electromagnetism lessons. Physics teachers use it to repeat Oersted's classic observation: its 75mm cobalt steel needle turns on an agate bearing within a 130 x 50mm rectangular frame fitted with 4mm socket terminals. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Needle	Cobalt steel, 75mm long
Bearing	Agate bearing, supported by a pivot
Base	Plastic, carrying the pivot
Frame	Rectangular, 130 x 50mm, in the vertical plane, surrounding the needle
Terminals	Two 4mm socket terminals at one end of the frame and one at the other
Purpose	To show the action of an electric current on a magnet
Product code	SLE/PHY/263
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is Oersted's Apparatus Used For?

Set the apparatus so the frame lies north–south with the needle resting along it. When a current is passed through the frame, the needle swings away from that direction; reverse the current and it swings the other way; switch off and it settles back. This shows directly that a current-carrying conductor produces a magnetic field, and it gives a practical way to test direction rules such as the right-hand grip rule. It is a core piece of any electromagnetic kit for schools in India.

Use a low-voltage DC supply with a switch in the circuit, and pass the current only for short periods so the frame does not heat up. Keep bar magnets and steel objects away from the bench while observing, and lift the apparatus rather than sliding it, as the needle sits on a delicate agate bearing.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of Oersted's Apparatus. The apparatus is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied direct to schools, colleges, institutions, dealers and importers without a trading middleman.

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