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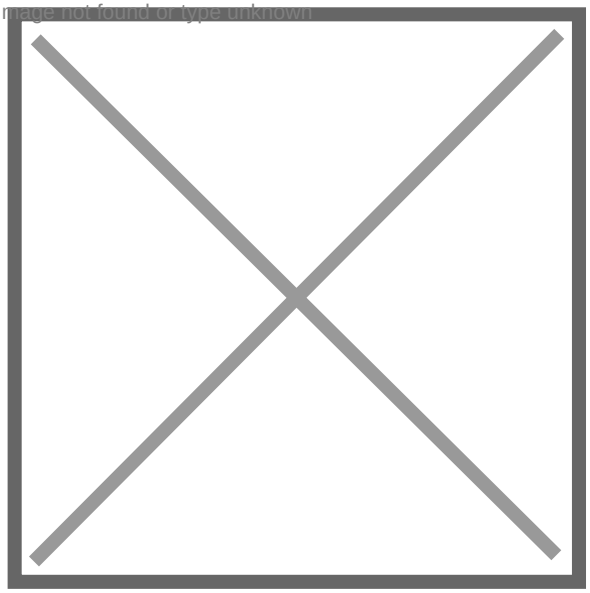
Product Name :

Oersted's Law Apparatus

Product Code :

SLE/EM/22

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Description :

Oersted's Law Apparatus (Product Code: SLE/EM/22) is a demonstration apparatus used to show the magnetic effect of an electric current in secondary school physics. In this 15 cm apparatus, a permanent magnetic needle free to rotate at the centre of an aluminium frame swings as current flows over or under it in either direction, making it a compact physics demonstration kit piece. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Size	15 cm
Needle	Permanent magnetic needle, free to rotate
Frame	Aluminium, with the needle at its centre
Current path	Connected so that current can flow over or under the needle, in either direction
Product code	SLE/EM/22
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Oersted's Law Apparatus Used For?

With no current flowing, turn the apparatus until the needle lies along the frame. Pass current along the conductor above the needle and it deflects one way; reverse the current, or route it beneath the needle instead, and the deflection reverses. Students record the four combinations in a table and use them to arrive at a rule, such as the right-hand grip rule, that links current direction to the magnetic field around a wire.

Aluminium is non-magnetic, so the frame itself does not pull the needle off line and any deflection comes from the current alone. Keep bar magnets, steel stands and other current-carrying leads away from the bench, pass current in short bursts through a key with a rheostat in series so cells are not drained, and let the needle settle before each observation.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) that builds this Oersted's law apparatus at its own licensed factory at Saha, Ambala, Haryana, India. School science departments, teacher-training colleges, dealers and importers buy it factory-direct. Repeat orders, or a replacement needle if one is ever needed, can be requested from the manufacturer itself; ask us. Find out more on our profile page.

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