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Product Name :

Device to Verify The Lenz's Law (for high school)

Product Code :

SCL239/038



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Description :

Device to Verify The Lenz's Law (for high school) (Product Code: SCL239/038) is a balanced rocker carrying two aluminium rings, used to show that an induced current opposes the change that produces it in school physics lessons on electromagnetic induction. A magnet pushed intothe closed ring makes the arm swing away, while the slotted ring does not respond at all. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory equipment supplier in India, at its own factory in Ambala, as physics practical equipment for schools.

Specifications

Parameter	Detail
Construction	Two identical aluminium rings fixed to the ends of an aluminium rocker arm, a tripod with a needle, and a stand
Ring arrangement	One ring with a slot, the other closed
Ring diameter	25 mm
Rocker arm length	In the range of 130 to 180 mm
Pivot	Beam mounted on the tripod needle
Product code	SCL239/038
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Lenz's Law Device Used For?

Set the stand on a level bench, balance the arm on the needle and wait for it to settle. Push one pole of a strong bar magnet quickly into the closed ring: the changing magnetic field induces a current in the ring, and the field of that current repels the magnet, so the arm turns away. Withdraw the magnet and the ring is drawn after it. Repeat with the slotted ring and nothing happens, because the slot breaks the conducting loop and no current can circulate.

That side-by-side comparison lets students reason out Lenz's law for themselves before it is written on the board, and it links naturally to energy conservation and eddy current braking. Move the magnet briskly, keep the room free of draughts, and avoid knocking the arm off its needle between trials. It fits well into an electromagnetic kit for school physics in India alongside coils, magnets and galvanometers.

OEM Manufacturer

The Lenz's law rocker is made by Jain Scientific Equipments Private Limited, trading as ScienceLab, which is its OEM (original equipment manufacturer) and builds it at its own licensed factory at Saha, Ambala, Haryana, India. Physics departments, dealers and importers buy it factory-direct, and a quotation, repeat order or replacement tripod needle comes from the maker rathe

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