Email : sales@scilabexport.com
Phone: +91-7082934803

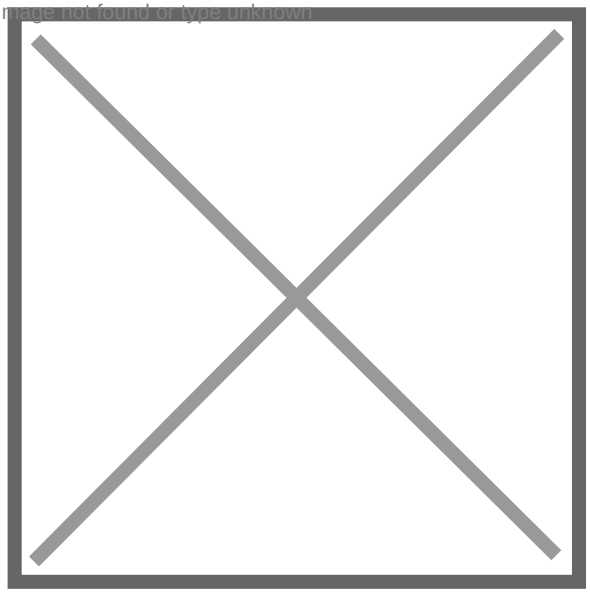
Product Name :

Lenz's Law – Open & closed loop

Product Code :

SLE/PHY/96

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Description :

Lenz's Law – Open & closed loop (Product Code: SLE/PHY/96) is an electromagnetic induction demonstration used to show Faraday's law of induction and Lenz's law in school and college physics lessons. Passing a magnet through the complete loop makes the device move, while the split loop does not move at all, so students see that an induced current, not magnetism alone, causes the effect. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and physics instruments supplier in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Demonstrates	Faraday's law of induction and Lenz's law
Loops	One complete (closed) loop and one split (open) loop
Closed loop	Device moves when a magnet is passed through the loop
Split loop	No movement at all
Magnet	Needed for the demonstration; confirm whether to include one when ordering
Product code	SLE/PHY/96
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Lenz's Law Loop Apparatus Used For?

Moving a magnet into the closed loop induces a current in it, and by Lenz's law that current sets up a magnetic field opposing the change, so the loop is pushed away from, or drawn after, the moving magnet. Repeating the action with the split loop produces no movement, because the break stops any current from circulating. This side-by-side comparison makes the apparatus an effective electromagnetic induction kit for explaining why induced currents always oppose the change that creates them.

Move the magnet smoothly, then try faster and slower passes so students can relate the size of the response to the rate of change of magnetic flux. A strong magnet gives the clearest result; keep magnets away from meters and electronic devices while the demonstration is being set up.

What to Specify When Ordering

- Number of units, for a single teacher demonstration or for group work.
- Whether a suitable strong magnet should be quoted with the apparatus.
- Delivery location for the quotation.

OEM Manufacturer

ScienceLab is the name under which Jain Scientific Equipments Private Limited trades, and the compa bala, Harya impo he Scien

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