Email : sales@scilabexport.com
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Product Name :

Magnetising and Demagnetising Coil

Product Code :

SLE/PHY/239



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Description :

Magnetising and Demagnetising Coil (Product Code: SLE/PHY/239) is a base-mounted solenoid used to magnetise and demagnetise ordinary magnets, iron bars and strips in school physics magnetism lessons. It is wound with insulated copper wire, works at low voltage, and comes complete with a switch and 4 mm socket terminals for connection to a laboratory supply. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for electromagnetism practicals.

Key Details

Parameter	Detail
Type	Solenoid mounted on a base
Winding	Insulated copper wire
Control	Switch fitted
Connections	4 mm socket terminals
Operating voltage	Low voltage (confirm the exact supply with us)
Suitable for	Magnetising and demagnetising ordinary magnets, iron bars, strips and similar items
Product code	SLE/PHY/239
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Magnetising and Demagnetising Coil Used For?

When current flows through a solenoid, it produces a strong magnetic field along its centre. Placing an iron or steel bar inside the coil and switching on briefly lines up the tiny magnetic regions in the metal, so the bar comes out magnetised; students can then check its poles with a compass needle or see how many pins it lifts. Science departments also use the coil to restore bar magnets that have weakened over years of classroom use.

Demagnetising is generally done by exposing the item to a field that is steadily reduced, often an alternating one, as the bar is slowly withdrawn. Use only a low-voltage laboratory supply, keep current-on periods short so the winding does not warm up, and use the right-hand grip rule to predict which end becomes the north pole. As a laboratory instruments supplier in India, we can advise on a suitable power source.

What to Specify When Ordering

- The low-voltage supply you have (AC or DC, and voltage), so we can confirm it suits the coil.
- The size of the magnets or bars you want to treat, so we can check they fit the coil.
- The number of coils needed for your lab.

Manufacturer

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