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

Product Name :

Electromagnet with Keeper

Product Code :

SLE/PHY/95



Description :

Electromagnet with Keeper (Product Code: SLE/PHY/95) is a U-shaped electromagnet used to demonstrate the magnetic effect of an electric current in school and college physics labs. Its circular-section core is wound with insulated copper wire, carries an armature with a hook for hanging loads and runs from 4-6 volts DC, so students can switch a magnetic pull on and off at will. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Core	U-shaped, circular section
Winding	Insulated copper wire
Connections	Barrel connections
Operating supply	4-6 volts DC
Size (as listed)	110 x 9 mm (diameter)
Fittings	Armature with carrying hook
Supplied with	Keeper
Product code	SLE/PHY/95
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Electromagnet with Keeper Used For?

With the supply connected, the armature is pulled firmly onto the pole faces, and loads hung from the carrying hook show how strong the magnetic force is; switch off and the armature drops away. Students can compare the lifting effect at different voltages within the 4-6 V DC range, or reverse the current and use a plotting compass to see the poles swap. It is a classic electromagnetic kit item for school practicals on the magnetic effects of current.

Store the electromagnet with its keeper across the poles and away from loose steel items. Do not exceed the stated DC supply, and switch off between readings so the winding does not get warm.

What to Specify When Ordering

- Number of electromagnets needed for your class or demonstration bench.
- A DC supply that can provide 4-6 volts, if your lab does not already have one.
- Masses or hangers for load tests, which should be requested separately.
- Delivery location for packing and freight.

OEM Manufacturer

Jain S
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