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

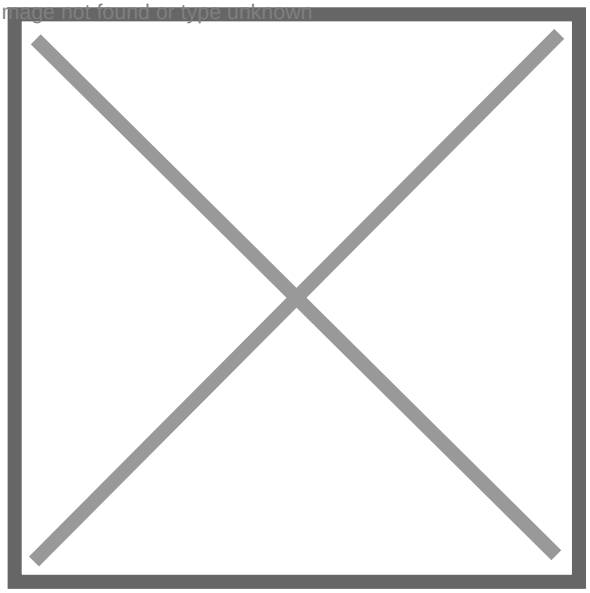
Product Name :

Electromagnet for Demo

Product Code :

SCL-385/091

Image not found or type unknown



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

Description :

Electromagnet for Demo (Product Code: SCL-385/091) is a U-shaped demonstration electromagnet used to show how an electric current produces magnetism in school and college physics classes. Its iron core of circular section carries two enamelled copper coils joined in series, with an armature and carrying hook for lifting demonstrations, and it operates on 3–6 V DC. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	U-shaped demonstration electromagnet
Core	Iron, U-shaped, of circular section
Coils	Two coils of enamelled copper wire, one on each arm, joined in series
Accessories	Armature and carrying hook
Operating supply	3–6 V DC
Product code	SCL-385/091
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Demonstration Electromagnet Used For?

When the coils are connected to a low-voltage DC supply, the iron core becomes magnetised and pulls the armature across both poles; loads hung from the carrying hook show how firmly it holds. Switching the current off releases the armature at once, which makes the point that an electromagnet's magnetism lasts only while current flows — a core lesson for any magnetism experiment kit in India.

Teachers also use it with a compass to identify the poles, reverse the supply to show the poles swapping, and sprinkle iron filings on card to reveal the field. Keep the supply within 3–6 V DC, switch on through a key only while demonstrating so the coils do not overheat, and add loads gradually.

What to Specify When Ordering

- The number of electromagnets needed for demonstrations or student groups.
- Whether cells or a DC supply within 3–6 V should be quoted with them.
- Any keys, leads, compasses or iron filings for the same lesson.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited (CIN U293
place
(Fact
deale
see