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

Product Name :

Aluminium Foil Support Bar

Product Code :

SLE/EAM/26



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Description :

The **Aluminium Foil Support Bar** (Product Code: SLE/EAM/26) is a clear acrylic bar fitted with crocodile clips that holds strips of aluminium foil side by side, giving a neat and effective way to show that current-carrying conductors attract or repel one another. Teachers use it to turn a fiddly bench improvisation into a tidy, repeatable demonstration. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, alongside the rest of its electricity and magnetism range of physics lab equipment in India.

Key Details

Parameter	Detail
Type	Support bar for foil strips
Material	Clear acrylic
Fittings	Crocodile clips for gripping and connecting the foil strips
Purpose	Demonstrating the attraction and repulsion of current-carrying conductors
Suitable for	Teacher demonstrations in secondary and senior secondary physics

Typical Use

Two strips of aluminium foil are hung from the crocodile clips so they dangle parallel and close together. When they are wired so that current flows the same way in both strips, the magnetic field of each pulls the other towards it and the strips swing together; rewire them so the currents flow in opposite directions and they spring apart. The effect is the basis of the old definition of the ampere and makes a visual follow-up to the force on a single conductor in a magnet's field.

The clear acrylic lets the class see the strips from any side, and the crocodile clips make it quick to swap in fresh foil when a strip tears. Use short pulses of current from a low-voltage supply rather than continuous current, as thin foil warms quickly, and keep the strips light and narrow so the movement is easy to spot. It is a simple item that earns its place in any set of educational physics lab equipments.

Manufacturer

The support bar is a ScienceLab product, the trading name of **Jain Scientific Equipments Private Limited**, which makes teaching apparatus at Ambala in Haryana for institutions in India and international markets. Read about the company on our company profile page.

Related Electricity and Magnetism Equipment

Items used with the bar to set up the parallel-conductor demonstration:

- Power Supply, Stepped — a low-voltage AC/DC bench supply for passing current through the strips
- Crocodile Clips & Leads — connect the supply to the foil strips
- [illegible]
- [illegible]
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