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Product Name :

Magnet Probe

Product Code :

SLE/MG/11



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Description :

Magnet Probe (Product Code: SLE/MG/11) is a hand-held field-mapping tool used to show the direction of magnetic fields in three dimensions around magnets and electromagnets in physics classrooms. A small 1.9 cm alnico magnet with blue and red painted poles sits in a freely spinning gimbal, so it swings to line up with the field along the x, y and z axes. The probe is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, alongside other physics lab instruments and school physics lab equipment in India.

Specifications

Parameter	Detail
Function	Maps magnetic fields in 3 dimensions (x, y and z)
Sensing magnet	Small alnico bar magnet, 1.9 cm long
Pole marking	One pole painted blue, the other red
Mounting	Rotating gimbal that spins freely
Construction	Durable plastic
Overall length	4-3/4 inch
Field sources	Magnets, electromagnets and other sources
Product code	SLE/MG/11
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Magnet Probe Used For?

A flat plotting compass only shows the field in the plane of the table. The Magnet Probe removes that limit: because its magnet is held in a gimbal, it can tilt up, down and sideways, and it points along the real three-dimensional field line wherever it is held. Moving it slowly over and around a bar magnet shows students that field lines leave one pole, arc through space and curve back into the other, not just around the edges on paper.

The probe works just as well near an electromagnet or a current-carrying coil, so it helps link permanent magnets with electromagnetism. Ask students to trace a path with the probe and sketch the direction of the blue and red ends at each point. Keep it away from very strong magnets when not in use and store it where the gimbal cannot be bent.

Supplier

Jain Scientific Equipments Private Limited, trading as ScienceLab in Ambala, Haryana, India, supplies the Magnet Probe to schools, colleges and science centres. The company sources it as part of a wider range of magnetism teaching items, so probes, magnets and electromagnets can be ordered together.

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