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Product Name :

Compass

Product Code :

SCL1379/026



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Description :

Compass (Product Code: SCL1379/026) is a compact student compass: a 40 mm magnetic needle on a conical bearing, enclosed in a cylindrical transparent plastic box 45 mm across. The needle is held on its median axis so that it does not drop off when the box is turned or tilted,which makes it practical to hand out to every pair of students. Its N and S ends are coloured blueand red. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, and suitsbulk supply for school physics lab equipment in India.

Specifications

Parameter	Detail
Needle length (longitudinaldimension)	40 mm
Needle mounting	Support for the median axis with a conical bearing and pivot needle
Pole colours	N blue, S red
Case	Cylindrical transparent plastic box, 45 mm diameter
Retention	Needle stays on its axis and does not fall when thebox is twisted

Typical Use

The most common classroom task is plotting field lines: students place a bar magnet on paper, set the compass near one pole, mark where the needle points, move the compass to that mark and repeat, joining the dots into a field line. The transparent case lets them see the paper beneath, and because the needle is retained on its axis the compass can be picked up and repositioned again and again without the needle falling off.

It is equally useful for finding north before setting up experiments that need a fixed orientation, for showing that a current-carrying wire deflects a nearby needle, and for simple outdoor direction-finding activities. Remind students that the blue end marks N on this model, keep the compasses away from magnets when they are stored together, and wipe the plastic case clean with a dry cloth.

Manufacturer

The compass comes from Jain Scientific Equipments Private Limited, an Ambala, Haryana manufacturer that markets its classroom and laboratory products as ScienceLab. Learn about the company on the ScienceLab profile.

Related Lab Equipment

Magnetism practicals that use this compass usually need these items too:

- Bar Magnet (Plastic) — the magnet whose field students plot.
- [illegible]
- [illegible]
- [illegible] for

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