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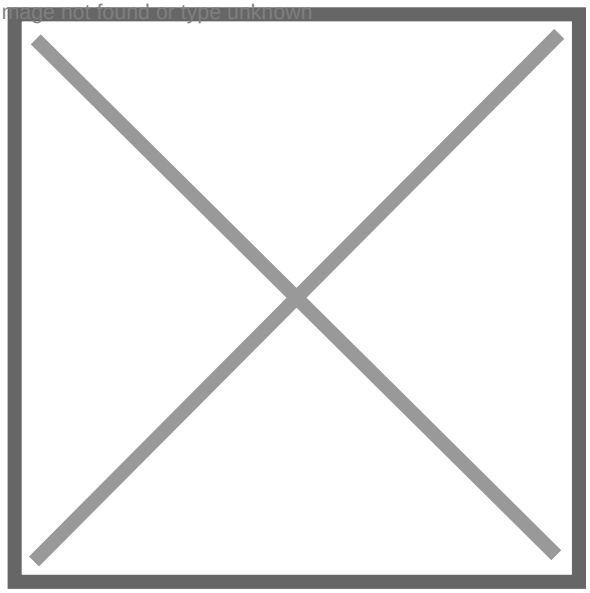
Product Name :

Compass.

Product Code :

SCL111/1.4

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Description :

Compass. (Product Code: SCL111/1.4) is a 50 mm diameter magnetic compass for general laboratory use. Its magnetised needle, usually marked at the North end, swings freely to line up with the Earth's magnetic field, so students can read direction against a dial showing the cardinal points. Physics teachers use it for magnetism lessons and geography staff for basic direction-finding, making it a staple item of school physics lab equipment in India. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Diameter	50 mm
Dial	Shows the cardinal points
Needle	Magnetised pointer, well balanced, free to align with the Earth's magnetic field
Case	Aluminium case with glass top
Case construction (as listed)	Aluminium ply type, 18 mm, glass on both sides
Intended use	General laboratory use; determining direction relative to the Earth's magnetic poles

Typical Use

In the physics lab the compass is placed at different positions around a bar magnet or a current-carrying wire to show how the needle turns with the local field, which helps students see that a magnetic field has direction as well as strength. Laid flat on the bench away from other magnets, it also demonstrates that a freely pivoted magnet settles along the north–south line. Used together with a bar magnet, a staple of school magnetism practicals in India, it also lets a class check which end of an unmarked magnet is its north pole.

Outdoors, the same instrument introduces map orientation: students hold it level, let the needle settle, turn the body until North on the dial meets the needle, and then read off the direction of a landmark. A short history note fits well here too — the magnetic compass greatly improved the safety and efficiency of travel, especially at sea. Keep it away from steel furniture, loudspeakers and live wiring during readings, since these pull the needle off true magnetic north.

Manufacturer

ScienceLab is the brand under which **Jain Scientific Equipments Private Limited** produces and sells teaching apparatus from its base in Ambala, Haryana. You can learn more about the company, its manufacturing work and its range on the company profile.

Related Laboratory Equipment

Appa

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