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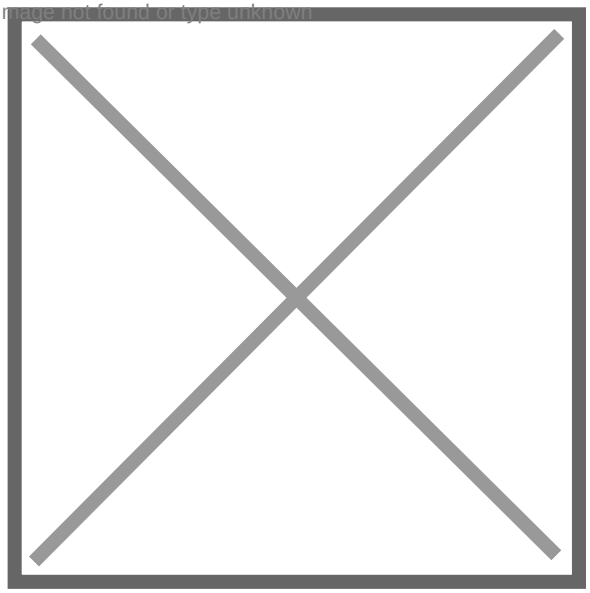
Product Name :

Compass 1

Product Code :

SCL265/033

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Description :

Compass 1 (Product Code: SCL265/033) is a 100 mm round magnetic compass used to find direction relative to the Earth's magnetic poles in school physics and geography lessons. Its large silver dial marked with the cardinal points and its well-balanced needle let a whole group read it at once, which suits teacher demonstrations. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, as physics lab equipment for India and abroad.

Specifications

Parameter	Detail
Type	Magnetic compass for general laboratory use
Diameter	100 mm
Shape	Round
Colour	Silver
Dial	Shows the cardinal points
Needle	Magnetised pointer, usually marked at the North end, well balanced and free to align with the Earth's magnetic field
Housing	Aluminium case with glass top
Case construction (as listed)	Aluminium ply type, 18 mm, glass on both sides
Materials (as listed)	Plastic, stainless steel
Product code	SCL265/033
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the 100 mm Magnetic Compass Used For?

In physics, a compass is the simplest detector of a magnetic field. Set Compass 1 on the bench, let the needle settle along the north–south line, then bring a magnet or a current-carrying wire close and watch the needle swing. Moving it step by step around a bar magnet lets students mark the field direction at each point and join the marks into field lines — a classic magnetism experiment for school labs in India. The 100 mm dial is easy to read from a short distance, so a teacher can show the effect to a small group first.

In geography and outdoor lessons it introduces bearings: hold the compass level, turn it until the North mark lines up with the needle, and read off the direction of a landmark. Take readings away from steel benches, stored magnets and electrical cables, and keep the compass flat in a drawer so the balanced needle is not jarred.

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