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Product Name :

Manometer, Glass

Product Code :

SLE/PHY/111



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Description :

Manometer, Glass (Product Code: SLE/PHY/111) is a liquid-column pressure gauge used to measure small gas pressure differences in physics and chemistry laboratory experiments. Students read the liquid levels against its 80-0-80 centre-zero scale, and the glass tube has abuilt-in stopcock and is mounted on a 400 x 80 mm backing plate. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of physics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Construction	Glass manometer with built-in stopcock, mounted on a backing plate
Backplate dimensions	400 x 80 mm
Scale	80-0-80 with 2 mm subdivisions
Tube length	Approx. 406 mm
Tube diameter	5 mm
Retaining ring	9.5 mm
Tubing connection	External diameter 5 mm, increasing to 7 mm at the end near the retaining ring
Product code	SLE/PHY/111
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Glass Manometer Used For?

Connect one side of the manometer to the system under test with rubber tubing and leave the other open to the air; the difference in liquid level then shows the gauge pressure. Typical school uses include checking laboratory gas supply pressure, showing how pressure increases with depth using a thistle funnel covered with a thin membrane, and measuring the small pressure changes in gas-law demonstrations — core physics lab equipment for schools in India.

Fill it with coloured water to about the zero mark so both levels are easy to read. Because the scale runs 80-0-80, read how far the liquid has fallen on one side and risen on the other, then add the two values for the total level difference. The built-in stopcock lets you isolate the line between readings, and the connector, tapering from 5 mm to 7 mm, holds tubing securely.

What to Specify When Ordering

- Number of manometers needed for your laboratory.
- Rubber tubing to suit the 5–7 mm tapered connector.
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OEM

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