Email : sales@scilabexport.com
Phone: +91-7082934803

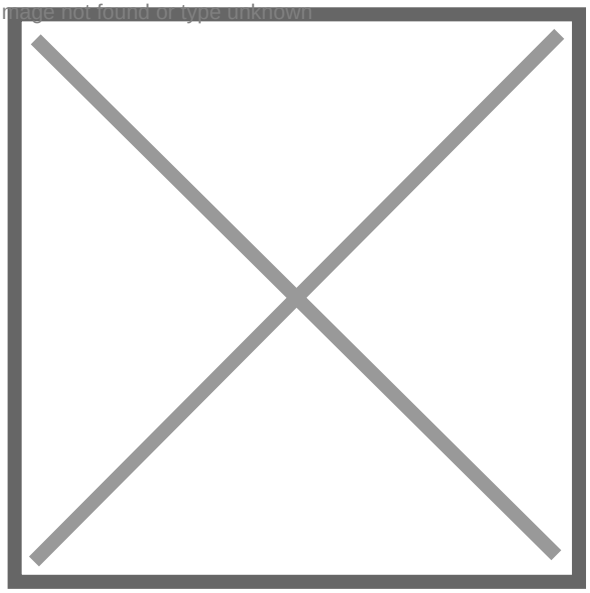
Product Name :

U Tube Manometer

Product Code :

SCL-636/066

Image not found or type unknown



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

The **U Tube Manometer** (Product Code: SCL-636/066) is a U-shaped tube of borosilicate glass that measures pressure by the difference in liquid level between its two limbs. It is used for measuring pressure, vacuum, differential pressure and flow in laboratories and plant settings where a dependable, easy-to-read indication is needed. Chemistry, physics and engineering departments use it both for teaching the principle of pressure measurement and for practical checks on gas lines and apparatus. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Type	U-tube manometer
Material	Borosilicate glass
Measures	Pressure, vacuum, differential pressure, flow
Used in	Laboratories and plants where accuracy is required

Typical Use

With one limb connected to a gas tap, the rise of liquid in the open limb shows the supplypressure above atmospheric; connected to a hand pump or aspirator, it shows the vacuum being drawn. When the two limbs are joined to points on either side of an orifice plate or venturi, the level difference gives the pressure drop from which flow rate is calculated — a standard exercise in fluid mechanics labs. The pressure difference equals the density of the manometer liquid multiplied by gravitational acceleration and the height difference, so students can relate the reading directly to theory. Like other borosilicate glassware, the tube resists chemical attack and changes in temperature.

Clamp the manometer truly vertical, fill it to roughly the middle of both limbs with the working liquid, and check that the two levels match with both ends open before connecting anything. Join it to the apparatus with rubber tubing, tap the glass gently to release trapped bubbles, and read each level at eye level at the bottom of the meniscus for water-based liquids.

Manufacturer

The manometer is manufactured by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** and operates from Ambala, Haryana, India, supplying laboratory glassware and instruments to educational and technical institutions. See the company profile for more information.

Related Laboratory Equipment

Items needed to mount and connect the manometer: