

'U' TUBE MANOMETER

MODEL - TAN-UM

INTRODUCTION

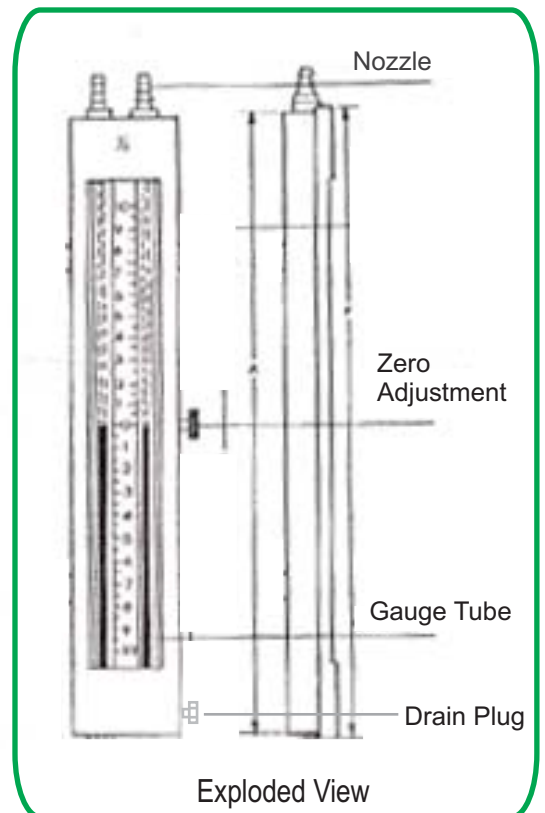
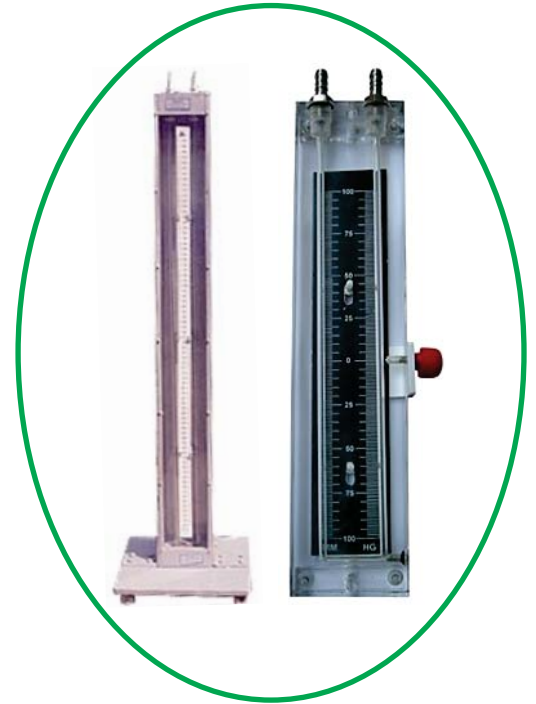
TANSA make U - Tube Manometer is the basic and mostly used style of manometer. The U - Tube manometer is a versatile, economical instrument for the measurement of pressure, vacuums or differential pressures. Pressure measurements are accomplished by balancing a vertical head of indicating fluid with the pressure to be measured. As there is no cams, gears or levers to operate in the manometer, the readings obtained are always accurate.

PRINCIPLE

The U Tube Manometer, have "U" shaped tube, half filled with liquid (Water / Mercury / SP Gr. 0.81). When both the tubes are open, the liquid is at the same height in each leg (Tube / Limbs). When positive pressure is applied to one leg the liquid is forced down in that leg and up in the other. The difference in the height, which is the sum of the reading above and below zero, tells you the pressure. When vacuum is applied to one leg, the liquid rises in that leg and falls in the other. The difference in the height indicates the amount of vacuum. The U Tube Manometer, consisting of two Glass Limbs. Stainless Steel / Brass Connecting fittings mounted on a metallic frame, provided with White Acrylic Scale with zero at the center. The U Tube Liquid Column Manometer we provide is used to determine Velocity and Static Pressure, Leakage, Fan Efficiency and Gas Pressure. The Manometer will be protected with transparent acrylic front cover fix with Aluminum frame and external zero adjustment Knob / Drain Plug / Fill Plug will Be Provided.

SPECIFICATION

Type	: U - Type
Ranges	: 120-0-120 / 150-0-150 / 200-0-200 / 250-0-250 / 300-0-300mm
Pressure Rating	: 250 PSIG
Mounting	: Wall / Flush / Base Mounting
Indicating Tube	: Glass
Packing	: Neoprene
Body	: Aluminum
Wetted Parts	: Cast Iron / 316 SS / PVC
Scale Finish	: Satin Aluminum, Black Graduations
Finish	: Aluminum Body, Black crackle enamel head
Filling	: Mercury / Water
Resolution	: 1mm
Accuracy	: $\pm 0.2\% \pm 0.5\text{mm}$
Max. Temp.	: Up to 250°C



Unit No. 35/36/41, Om Anand Industrial Estate,
M. S. Road, Raghunath Nagar, Thane(W) - 400604
Tele : 022 - 2583 23 23, 022 - 25823708
Mobile : +91 9833504585 / 9022827363
Email : tansaindia@gmail.com / sales@tansa.co.in

www.tansa.co.in
www.rotameters.co.in
www.orificeplate.in
www.flowmetersindia.net

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ORDERING INFORMATION

BASIC MODEL

UM

MOUNTING

WM = Wall Mounting

FM = Flush Mounting

BM = Base Mounting

FILLING

MC = Mercury

WA = Water

WETTED PARTS

CI = Cast Iron

6S = AISI 316 SS

PV = PVC

XX = Non Standard

PACKING

NE = Neoprene

PT = PTFE

SI = Silicon

XX = Non Standard

SCALE

PV = PVC

AL = Aluminum

SS = SS Engraved

END CONNECTION

NP = NPT Threaded

BS = BSP Threaded

Ordering Example : UM - - - - - -

Note :1) Modifications may take place and materials specified may be replaced by others without prior notice.

2) Consult factory for ratings of non-standard lengths and plastic units.



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