

**MICRO** McLeod Gauge is the vacustate suitable for Measurement of Pressure in the ranges of 10 mm to 10<sup>-3</sup> mm of Hg. This convenient gauge is a modification of the McLeod Gauge.

**WORKING** - The system of which pressure is to be measured, is connected by flexible rubber of the vacustat, through a right angle about "A", as a centre, is possible. To take a pressure reading, the gauge is simply rotated in the vertical position. Mercury runs out of the container "B", compressing the residual air or gas, contained within the region "C", "D" to short length of the capillary tube "C", "B". By arranging that the level in the comparison capillary "F" is opposite the end of the graduated capillary "C". "D" slight adjustment of the gauge about the vertical axis is needed to adjust the mercury level correctly. The reading in tube "C". "E" is the absolute Vacuum in mm of Hg.



## VACUUM GAUGES

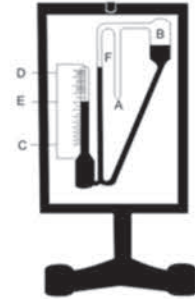


McLeod Gauge

Glass Measuring Tube

### Technical Specifications

- **Accuracy** : ±2.5% of Span
- **Metering Tube** : Borosilicate Glass
- **Filling Fluid** : Mercury
- **Case** : M. S. Powder Coated
- **Window** : Transparent Acrylic
- **Mounting** : M.S. Stand
- **Entry** : Back side
- **Connection** : M. S. nickel plated Hose Connection



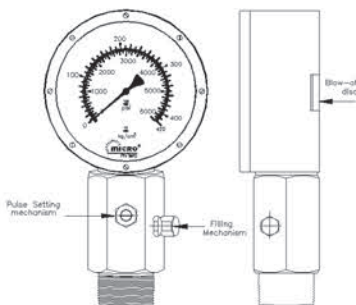
### APPLICATION

- Medical
- Pharmaceutical Industries
- Educational purpose etc

**Micro** Mud Gauges are useful for the various applications such as Mud Pumps, Stand Well Mud Pumps, Petroleum, Well Drilling or any other application where the tendency of the Medium / liquid is to crystallize or contains solid particles with high pressure. These gauges can undergo severe working conditions and can meet every requirement of Oil & mining Industries.



## PRESSURE GAUGES



### Technical Specifications: (Confirming to EN-837-3 & IS-3624)

- **Nominal size** : Ø 150 mm
- **Accuracy** : ±1% of FS
- **Case & Bezel** : SS 304 case (SS 316 Optional)
- **Ingress Protection** : IP 65 as per EN 60 529 or IS/IEC 60 529
- **Case Filling Fluid** : Glycerin (99.7%)
- **Pressure element (Bourdon Tube)** : SS 316L
- **Over pressure limit** : 110% of FS
- **Movement** : SS 304 (SS 316 optional)
- **Sealing gasket** : Nitrile Rubber
- **Blow out protection** : Neoprene Rubber (EPDM Optional)
- **Sealed Unit** : SS 316
- **Diaphragm** : SS 316L with Viton Ring sealing (Mud Protection – Nitrile Rubber Pad)
- **Sealing Fluid** : Silicon Oil
- **Process Connection** : 2" NPT / BSPT(Male) or Flanged
- **Type of mounting** : Bottom Connection Direct Mounting
- **Pressure range** : 0 ... 1000 / 1500 / 2000 bar  
0 ... 5000 / 6000 / 10000 / 20000 lb/in<sup>2</sup>
- **Scale** : Kg/cm<sup>2</sup> / bar / KPa / MPa (Single Scale)  
Dual Scale markings (Optional)
- **Optional Available features** : External Zero Adjustment

### APPLICATION

- Oil Industries
- Coal Industries
- Mining etc...