

MICRO has the perfect answer to all your requirements in pressure gauges.

At **MICRO** you will see technology at its best. Be it in the components, the advanced production line or the well trained work force. Each gauge undergoes a strict quality control test at every stage, so that you get a product conforming to nearly all standards. There is an unwritten maxim at Micro, 'No compromise on quality'.

Design and accuracy correspond to normal specifications. The gauges are low priced. They can be used for all liquids and gases under pressure, except for those which attack copper alloys and those having a high viscosity, or liable to crystallized i.e. which can damage pressure measuring element.



PRESSURE GAUGES

Technical Specifications: (Confirming to EN-837-1 & IS-3624)



Bottom Entry
Direct Mounting

Bottom Entry
Surface Mounting

Back Entry Direct Mounting

Back Entry
Panel Mounting

Back Entry
Bracket Mounting

Customised

- **Nominal size :**
Ø 40, 50, 63, 80, 100, 150, 200 & 250 mm
- **Accuracy :**
±2% of FS (±1% of FS for ≥ Ø 100 mm Optional)
- **Case & Bezel :**
Drawn Steel Powder Coated Case and Press Fit Bezel (Drawn Steel Chrome Plated Bezel Optional) (SS 304 Case & Press Fit Bezel Optional)
- **Pressure element :**
Cu-Alloy (< 100 bar 'C' Shaped Bourdon Tube)
SS 316 (≥ 100 bar Helical Shape Bourdon tube)
- **Over pressure limit :**
 - ≤ 100 bar - 125% of FS
 - > 100 bar < 600 bar - 115% of FS
 - > 600 bar < 1600 bar - 110% of FS
- **Movement :**
Brass / Plated Brass (SS 304 Optional)
- **Socket :**
Brass / SS 304
- **Dial :**
Aluminium – Pre-coated White with black marking
- **Pointer :**
Aluminium - Black finish fix type
- **Window :**
Clear Plain Glass, Clear Poly Carbonate for
Ø 50 & 63 mm Back Connection Panel Mounting
- **Joints :**
Hard Soldered (For 'C' Shape Bourdon Tube)
Silver Brazing (For Helical Bourdon Tube)
- **Sealing gasket :**
White Plastic Ring
- **Process Connection :**
 - For Ø 40 mm :
1/8" BSP / NPT / BSPT (Male)
 - For Ø 50 & 63 mm :
1/8" / 1/4" BSP / NPT / BSPT (Male) M12 X 1 (Male)
 - For Ø80, 100 & 150 mm :
1/4" / 3/8" / BSP / NPT / BSPT (Male)
 - For Ø200, & 250 mm :
1/4" / 3/8" / 1/2" / BSP / NPT / BSPT (Male)
M20 X 1.5 (Male)
 - Other Male or Female on Request
- **Permissible temperature :**
 - Ambient : -25°C to 65°C
 - Process : Maximum 80°C (For Soldered Joints)
Maximum 150°C (Silver Brazed Joints)
- **Type of mounting :**
 - Bottom Connection Direct Mounting
 - Back Connection Direct Mounting
 - Bottom Connection Surface Mounting
 - Back Connection Panel Mounting
 - Back Connection Bracket Mounting
- **Pressure range :**
 - Ø 40 mm : -30" Hg ... 0 ... 40 bar
 - Ø 50 mm : -30" Hg ... 0 ... 400 bar
 - Ø 63 mm : -30" Hg ... 0 ... 1000 bar
 - ≥ Ø 100 mm : -30" Hg ... 0 ... 3500 bar
- **Optional Available features :**
 - Ammonia (NH₃), Freon Scale
 - Customized Scale with different Unit of Measurement or logo
 - For Oxygen (O₂) Application degreased wetted parts

APPLICATION

- Compressors
- Filters
- Regulators
- Water Pumps
- Beverage-dispensing equipment
- Paint sprayers
- Air conditioning
- Pneumatic control systems
- Fire Sprinkler system etc.