

MICRO Test & Master gauges are precise instrument acclaimed for its dependability, reliability, safety and performance. These gauges are used for test, calibration and validation purpose. Manufacturing of these gauges are continuously monitored to assure uncompromising standards and material integrity.



PRESSURE GAUGES

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



- **Nominal size :**
Ø 150, 200 & 250 mm
- **Accuracy :**
±0.5% of FS (For Test Gauges)
±0.25% of FS (For Master Gauges)
- **Case & Bezel :**
SS 304 case with Snap Action bayonet lock type bezel (SS 316 Optional)
- **Ingress Protection :**
IP 65 as per EN 60 529 or IS/IEC 60 529
IP 68 as per IS/IEC 60 529 for Ø 150 mm - Optional
- **Pressure element – Bourdon Tube :**
SS 316 / SS 316L / SS 316Ti / Phosphorus Bronze / Monel 400 / Beryllium Copper
(< 100 bar 'C' shape / ≥ 100 bar helical shape)
- **Over pressure limit :**
≤ 100 bar - 125% of FS
> 100 bar < 600 bar - 115% of FS
> 600 bar < 1600 bar - 110% of FS
- **Movement :**
SS 316 / Cu-Alloy High Precision Jeweled bearing with Bi-metal link for Temperature Compensation
- **Socket :**
Brass / SS 316 / SS 316L / Monel 400
- **Dial :**
Aluminium – Pre-coated White with Mirror band & black marking
- **Pointer :**
Aluminium – Black Finish Knife edge Micro Zero Adjustment
- **Window :**
4 mm thick Toughened Glass
(Safety / Shatter Proof Optional)
- **Joints :**
Argon welded
- **Sealing gasket :**
Neoprene Rubber (EPDM Optional)
- **Blow out protection :**
Neoprene Rubber on Back of Case (EPDM Optional)
- **Pressure relief :**
Top of Case with Vent Valve (On Request)
- **Process Connection :**
1/4" / 3/8" / 1/2" BSP / NPT / BSPT (Male)
M20 X 1.5 (Male),
Other Male or Female connection on request
- **Permissible temperature :**
Ambient : -25°C to 65°C
Process : Maximum 65°C
- **Type of mounting :**
Bottom Connection Direct Mounting
Back Connection Direct Mounting
Bottom Connection Surface Mounting
Back Connection Panel Mounting
Back Connection Bracket Mounting
Back Connection Panel + Bracket Mounting
- **Pressure range :**
-30" Hg ... 0 ... 1000 bar
- **Optional Available features :**
 - Liquid Fillable Case for Test Gauges
 - Customized Scale with different Unit of Measurement or logo
 - Solid front case (Safety Pattern)
 - Externally zero adjustable from side or front

APPLICATION

- Field Inspection
- Calibration & Testing Labs
- Testing & Validation etc.