

**MICRO** brand Melt Pressure Gauges are designed with sealed diaphragm for the application where very high operating temperature is involved in a process. This will eliminate the need to use grease to prevent melt contamination and gauge plugging. Micro Melt Pressure Gauges are totally mechanical devices requiring no power. The rugged totally self-contained melt pressure gauges allow the user to benefit from the improved efficiency and quality. The Micro melt pressure gauges are designed to provide years of reliable, maintenance free localized melt pressure indication. These gauges are provided in two types i.e. Rigid Stem type & Rigid Stem with Capillary extension.



## PRESSURE GAUGES

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



Rigid Stem Type Direct Bottom Entry



Capillary Extn. Surface Mounting



Capillary Extn. Surface Mounting with Electrical Contact

- **Nominal size :**  
Ø 100 mm
- **Accuracy :**  
±2% of FS
- **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
- **Pressure element – Bourdon Tube :**  
SS 316 helical shape
- **Over pressure limit :**  
115% of FS
- **Movement :**  
SS 304 (SS 316 optional)
- **Rigid Stem & Length :**  
Made of SS 316 having 150 or 300 mm length
- **Diaphragm :**  
15-5 pH Stainless Steel
- **Dial :**  
Aluminium – Pre-coated White with black marking
- **Pointer :**  
Aluminium – Black finish Center / Micro Zero Adjustment
- **Window :**  
Safety / Shatter Proof
- **Joints :**  
Argon welded
- **Sealing gasket :**  
Neoprene Rubber (EPDM Optional)
- **Blow out protection :**  
Neoprene Rubber (EPDM Optional)  
On Back of Case
- **Pressure relief :**  
Top of Case with Vent Valve (On Request)
- **Process Connection :**  
1/2" – 20 UNF Male threads (Standard)  
M18 X 1.5 mm & Others on Request
- **Permissible temperature :**  
Ambient : -25°C to 85°C  
Process : Maximum 400°C
- **Type of mounting :**  
Bottom Connection Direct Mounting  
Bottom Connection Surface Mounting for capillary extension
- **Pressure range :**  
0 ... 5000 PSI or 0 ... 10000 PSI
- **Liquid Filling :**  
Glycerin 99.87%
- **Optional Available features :**
  - Gauge head rotate 300° angular
  - Type 'J' (Standard) & 'K' type Thermocouple for temperature measurement output
  - External Zero Adjustment
  - Customized Scale with different Unit of Measurement or logo
  - Surface Mounting type capillary extrn. with armour protection available

### APPLICATION

- Extrusion & Polymer processing
- Industrial application where medium temperature is very high