

MICRO Single or Double Diaphragm Differential pressure gauges are used for monitoring differential pressure between two separate pressure sources. Designed for harsh service, this model provides high reliability and safety. A perfect solution for challenging application and installation requirements.

DIAPHRAGM TYPE DIFFERENTIAL

PRESSURE GAUGES

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



Single Diaphragm
Bottom Entry
Surface Mounting

Single Diaphragm with Capillary Extension
and Diaphragm Sealed

Double Diaphragm
Direct Bottom Entry

- **Nominal size :**
Ø 100 & 150 mm
- **Accuracy :**
±2% of FS for Single Diaphragm
(±1.6% of FS Optional)
±1.6% of FS for Double Diaphragm
(±1% of FS Optional)
- **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 - Optional
- **Pressure element : Diaphragm (Single / Double)**
SS 316L
- **Static Pressure :**
For Single Diaphragm 10 Times (Max. 40 bar)
of Pressure Range
For Double Diaphragm
Up to 600 mmWc Range : 10 bar
1000 to 2500 mmWc : 40 bar
4000 mmWc and above : 100 bar
- **Movement :**
SS 304
- **Low & High Pressure Chamber :**
SS 304 Standard / SS 316 / SS 316L
- **Dial :**
Aluminium – Pre-coated White with black marking
- **Pointer :**
Aluminium – Black Finish Micro Zero Adjustment
(External Zero Adjustment optional)
- **Window :**
4 mm thick Toughened Glass
(Safety / Shatter Proof Optional)
- **Joints :**
Argon welded
- **Sealing gasket :**
Viton
- **Blow out protection :**
Top of the Case with Vent Valve for pressure relief
- **Process Connection : (HP & LP)**
1/4" NPT (Female) Standard
(3/8" or 1/2" Optional through extra adaptors)
- **Permissible temperature :**
Ambient : -25°C to 60°C
Process : Maximum 100°C
- **Type of mounting :**
Bottom Connection Direct Mounting
Bottom Connection Surface Mounting
Back Connection Panel Mounting
Pipe or Yoke Mounting
- **Differential Pressure ΔP range :**
250 mmWc to 6000 mmWc ... up to 10 bar
- **Optional Available features :**
 - Liquid Filled Case
 - Electrical Contact
 - Pressure Equalizing Valve
 - Diaphragm Seal unit suitable to process medium
with Capillary Extension
 - Maximum pointer Follower

APPLICATION

- Refineries
- Chemicals & Petrochemicals Plant
- Water & Waste water pressure control
- Mining & Metal for Air
- Gas & Filter Application

NOTE : LOW PRESSURE CAPSULE OPERATED DIFFERENTIAL GAUGES AVAILABLE ON REQUEST