

“MICRO” Pressure Gauges with Electric Contacts that incorporate a mechanical magnetic snap action contact mechanism into an indicator. They generate ON and OFF electrical signals at the preset pressure. This signal can activate a buzzer, alarm, Pilot lamp or control motor, pump, control valve or other process. This eliminates the need of separate switches for equipment. Point of Contact actuation is adjustable over the full scale graduation.

Technical Specifications:

Nominal Size –

Ø 100 & 150 mm

Accuracy –

Gauge Accuracy : ±1% of full scale value
Switching Accuracy : ±2% of full scale value

Operating Temperature –

Ambient : -20°C to 65°C
Process : Maximum 100°C

Case & Bezel –

S. S 304 Snap Action with bayonet bezel & Extension with Polycarbonate hood.

Pressure Element –

S. S 316 Bourdon Tube < 100 bar C' shape & ≥ 100 bar helical shape)

Over Pressure Limit –

≤ 100 bar : 125% of full scale value
> 100 bar < 600 bar : 115% of full scale value

Movement –

S. S. 304
(S. S. 316 Optional)

Socket –

S. S. 304 / S. S. 316 / S. S. 316 L
(Monel 400 Optional)

Dial –

Aluminium – Pre coated white with black marking

Pointer –

Aluminium black finish Micro Zero Adjustment

Window –

Extended Transparent Polycarbonate

Joints –

Argon Arc Welded

Sealing Gasket –

Neoprene / EPDM Rubber

Blow Out Protection –

Neoprene / EPDM Rubber at back side of case at 0.6 Kg/cm²



Pressure Relief –

Top of Case with Vent Valve

Liquid Filling (Optional) –

Dielectric Liquid

Contact Type –

Magnetic Snap Action (Silver Nickel Alloy)
Palladium contacts (Optional)
1 NO, 1 NC, 2 NO, 2 NC, 1 NO + 1 NC, 1 NC + 1 NO, 2 NO + 2 NC

Contact Current Rating: –

380 V AC / DC, 50 VA, 30 Watt, 1 to 5 Amp Maximum

Type of Mounting –

Radial Bottom Direct Mounting
Back Flange Surface Mounting
Front Flange Panel Mounting
Flush Panel (Bracket) Mounting

Process Connection –

1/4" / 3/8" / 1/2" BSP / NPT / BSPT

Pressure Range –

-30" Hg ... 0 ... 2500 bar

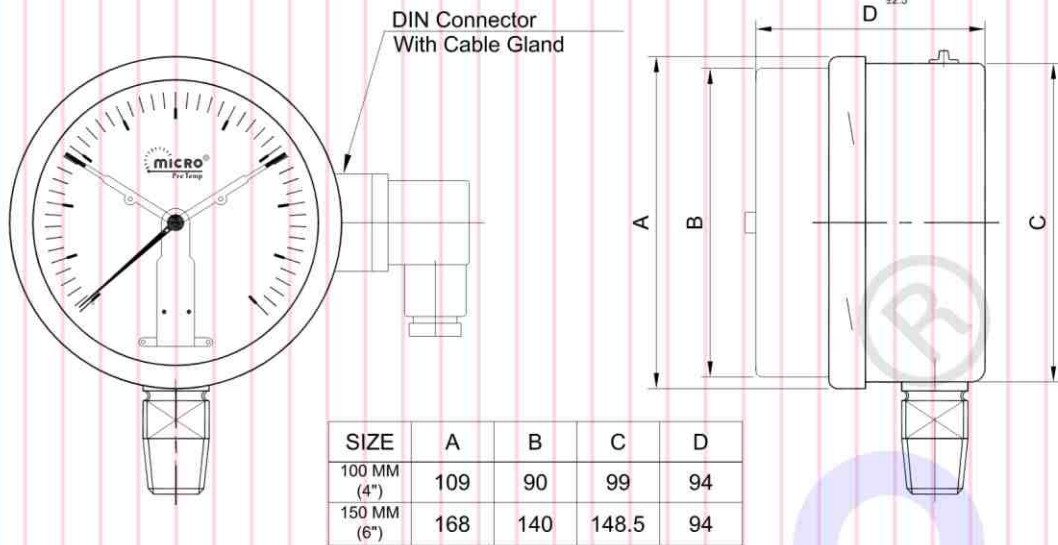
Optional Features –

Electric Contact with Diaphragm Sealed available on request
Electric Contact with Differential Pressure Gauges available
Electric Contact with LPD Gauge Available

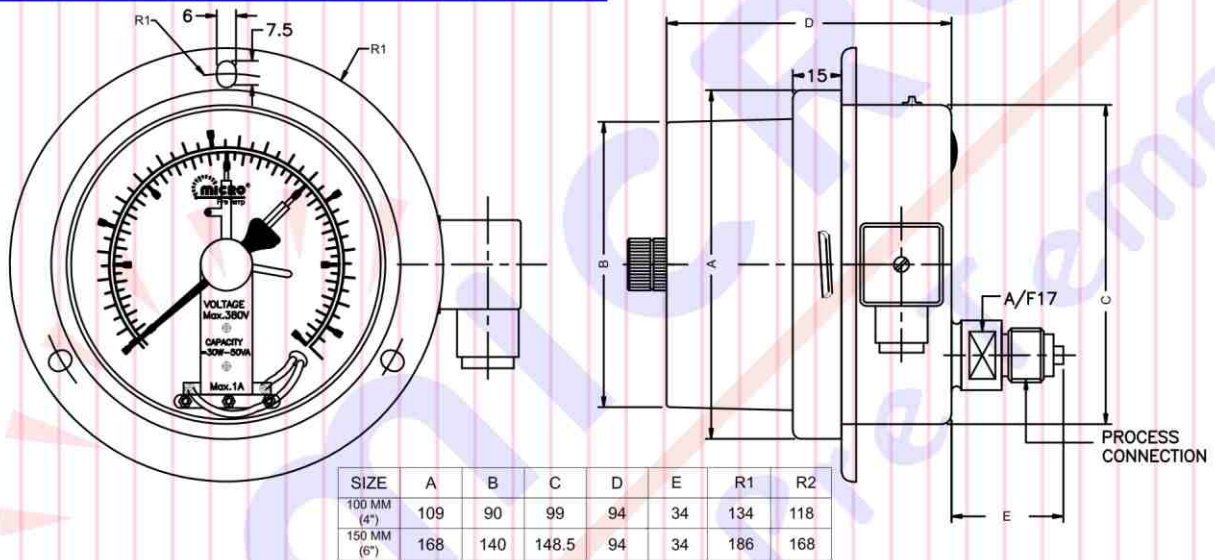
Application –

Control & Regulation of Industrial Process.
Monitoring of Plants and Switching of electric circuits.

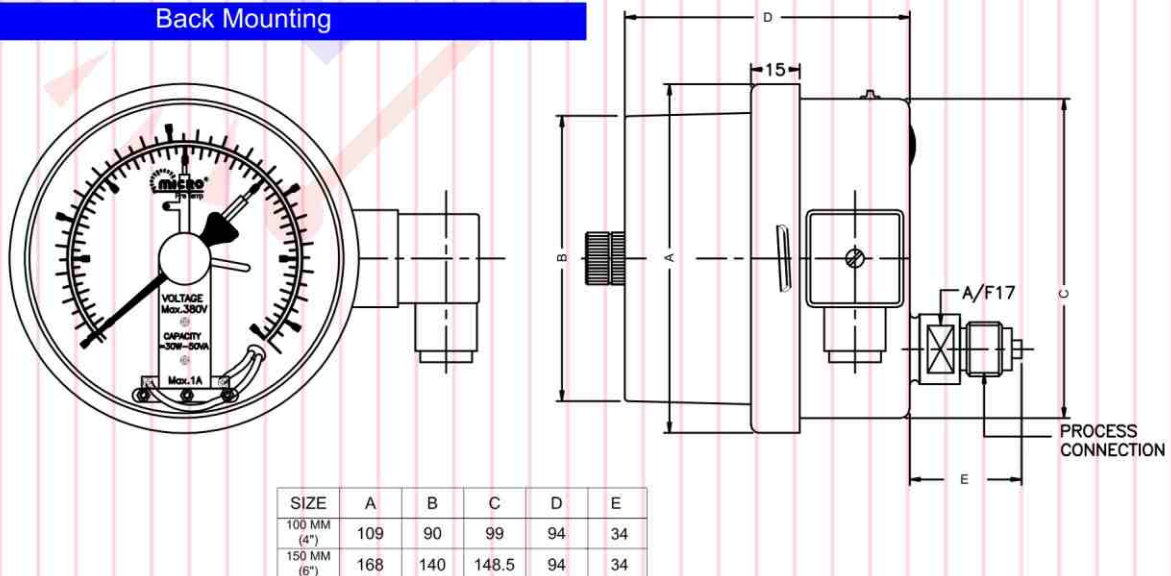
Bottom Mounting



Panel Mounting



Back Mounting



Model De-Codification

1.	Dial Size -	10	100 mm (4") Dial	XX
		15	150 mm (6") Dial	
2	Case Type & Material -	S	S. S. 304 Snap Action Bayonet Type	X
3	Type -	WP	Weatherproof Pressure Gauges	XX Or XX-XX
		DS	Diaphragm Sealed Pressure Gauges	
		SCH	Schaffer Diaphragm Pressure Gauges	
		LPD	Low Pressure Diaphragm Pressure Gauges	
		DFD	Single Diaphragm Differential Pressure Gauges	
		DFB	Bourdon Type Differential Pressure Gauges	
		DBW	Bellow type Differential Pressure Gauge	
A	Additional Requirement to Type -	SEC	Single Electric Contact Contact Details : 380 VAC, 1 Amp / 24 VDC, 0.5 Amp	XXX
		DEC	Double Electric Contact Contact Details : 380 VAC, 1 Amp / 24 VDC, 0.5 Amp	
		TEC	Triple Electric Contact Contact Details : 380 VAC, 1 Amp / 24 VDC, 0.5 Amp	
5	Movement Material -	S	S. S. 304	X
		6	S. S. 316	
6	Sensing Element -	6	S. S. 316	X
		L	S. S. 316 L	
		M	Monel	
		Ti	S. S. 316 Ti	
7	Socket Material -	4	S. S. 304	X
		6	S. S. 316	
		L	S. S. 316 L	
		M	Monel	
		Ti	S. S. 316 Ti	
8	Mounting -	DB	Bottom Connection Direct Mounting	XX Or XXXX
		BCDM	Back Connection Direct Mounting	
		BCPM	Back Connection Panel Mounting	
		SM	Bottom Connection Surface Mounting	
		BCBR	Back Connection Bracket Mounting	
		FL	Flange connection	
		TC	Triclover Connection	
		SMS	SMS Connection	
		SL	Saddle Type Connection	
		NF	Extended Neck type with Flange Connection	
		FF	Flange Connection with Flush Diaphragm	
A	Additional Requirement to Mounting -	CAP	Capillary Extension <small>(available in SM / BCPM & BCBR mounting style for DS / DFD / DFB / DBW Option) (3 meter standard with SS 304 Armor)</small>	XXX
		PTC	Teflon Coating on Diaphragm & Bottom Chamber	
		PTL	Teflon Lining on Diaphragm & Bottom Chamber	
9	Connection -	18B/18N/18T	1/8" BSP / 1/8" NPT / 1/8" BSPT	XXX
		14B/14N/14T	1/4" BSP / 1/4" NPT / 1/4" BSPT	
		38B/38N/38T	3/8" BSP / 3/8" NPT / 3/8" BSPT	
		12B/12N/12T	1/2" BSP / 1/2" NPT / 1/2" BSPT	
		M12 / M20	M12 x 1.0 or M20 x 1.5	
		40T/50T/65T	1 1/2" Triclover / 2" Triclover / 2 1/2" Triclover	
		40S/50S/65S	1 1/2" SMS / 2" SMS / 2 1/2" SMS	
		15F/20F/25F/ 40F/50F	1/2" / 3/4" / 1" / 1 1/2" / 2" Threaded Flush Connection	
		Flange Size	Specify the Flange Size	
		XXX	Others, Please Specify	