

"MICRO" brand Weatherproof (Dry) Gauges are suitable for Corrosive Atmosphere & aggressive fluids or gaseous or liquid media that will not obstruct the pressure system.

Technical Specifications:

Nominal size –

Ø 50, 63, 100, 150, 200 & 250 mm

Accuracy –

±1.6% of full scale for 50 & 63 mm dial. (±1% Optional)

±1% of full scale for 100, 150, 200 & 250 mm dial

(±0.5% Optional)

Case & Bezel –

S. S. 304 Snap Action with bayonet bezel

Ingress Protection –

IP 65 as per EN 60 529 / IEC 529

IP 68 as per IS / IEC 60 529 for 150 mm dial

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 –

Brass / S. S. 304

(S. S. 316 optional)

Socket –

Brass / S. S. 304 / S. S. 316 / S. S. 316L

(Monel 400 Optional)

Dial –

Aluminium – Pre coated White with black marking

Pointer –

Aluminium – Black finishes fix type for 50 mm dial

Aluminium – Center zero for & above 63 mm dial

Micro Zero Adjustment above 63 mm dials

Window –

4 mm thick Toughened / Safety glass

Joints –

Argon arc welded for S. S.

Silver Brazed for Brass

Sealing gasket –

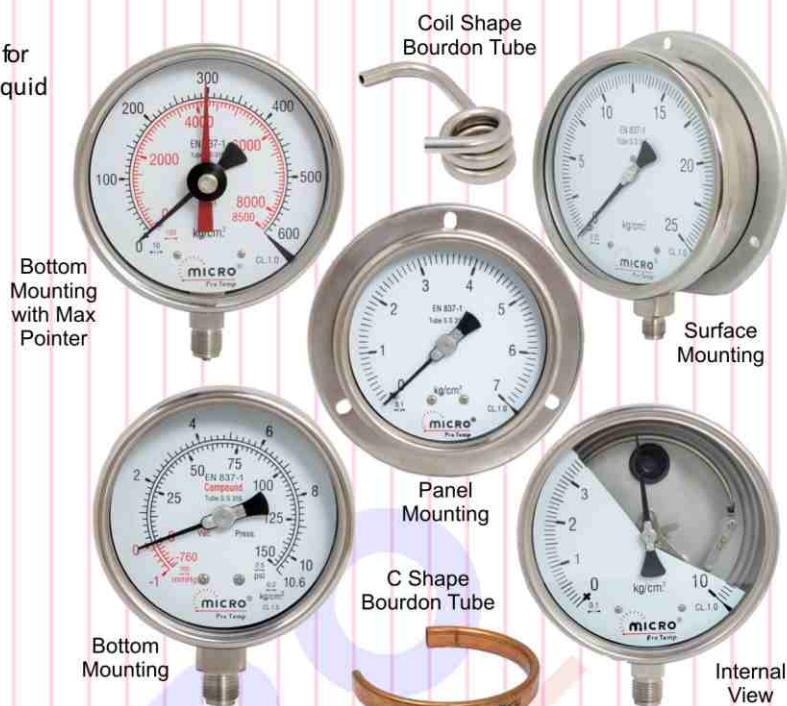
Neoprene / EPDM Rubber

Blow out protection –

Neoprene / EPDM Rubber

For 50 & 63 mm : On top of Case

Above 63 mm : On Back of case



Pressure relief –

Top of Case with Vent Valve

Process Connection –

For 50 & 63 mm - 1/4" BSP / NPT / BSPT

For 100 mm & Above - 1/4" / 3/8" / 1/2" BSP / NPT / BSPT

Operating temperature –

Ambient : -25°C to 65°C

Process : Maximum 170°C (Brass Internals)

Maximum 270°C (SS 316 Internals)

Maximum 400°C (SS 316L Internals)

Type of mounting –

Radial Bottom Direct Mounting

Back flange Surface Mounting

Front flange panel mounting

Flush panel (Bracket) mounting

Pressure range –

For 50 mm dial : -30" Hg ... 0 ... 400 Kg/cm²

For 63 mm dial : -30" Hg ... 0 ... 1000 Kg/cm²

For 100 mm & above : -30" Hg ... 0 ... 3500 Kg/cm²

Optional features –

S. S. 316 case & bezel available

Ammonia (NH₃), Oxygen (O₂), Freon Scale available on request

Eco model (50, 63, 100 & 150 mm dial) available on request

Maximum pointer reading (MRP) for 100 & 150 mm dial size

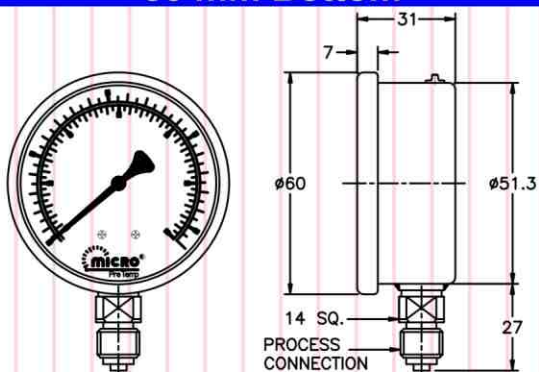
Solid front case (Safety Gauge) for 100 & 150 mm dial size

External Zero Adjustment available for 100 & 150 mm dial size

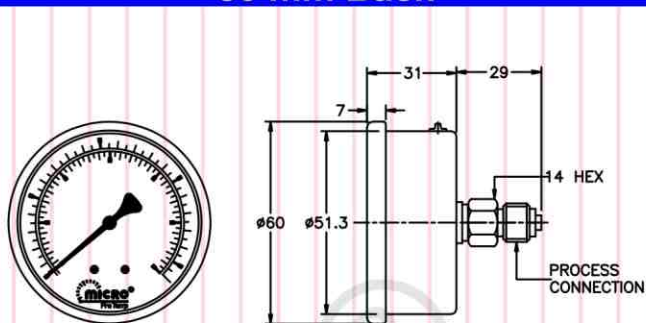
Application –

Petrochemical Industries, Fertilizer Industries, Pulp & Paper Industries, Food processing plant, Water Treatment Plant, Pharmaceutical Industries, Offshore, Ship building, power plant, etc...

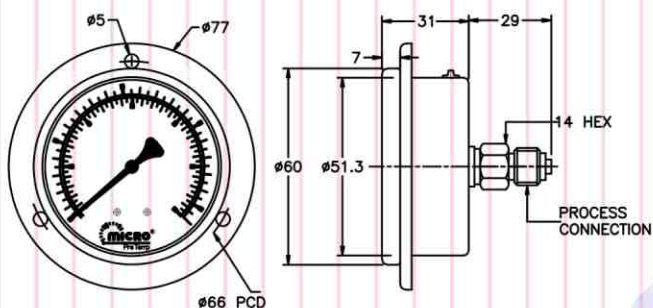
50 mm Bottom



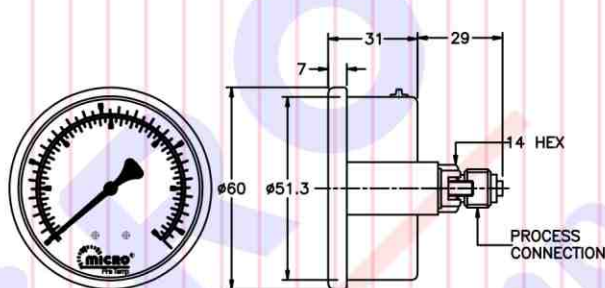
50 mm Back



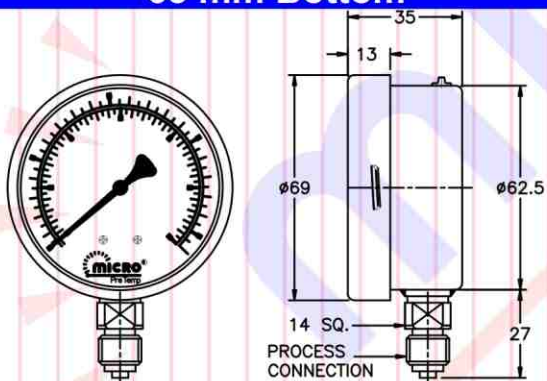
50 mm Back Panel



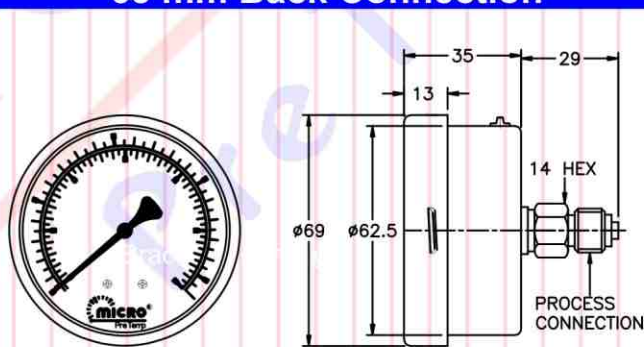
50 mm Back with Brack



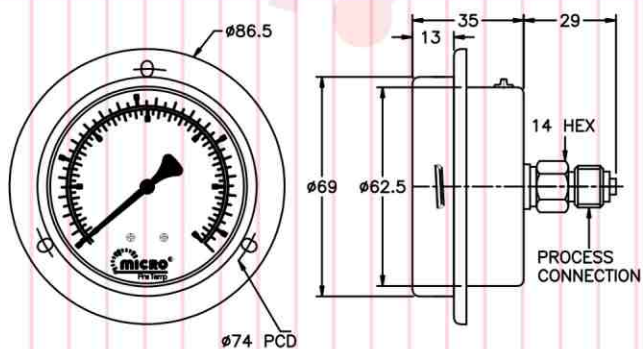
63 mm Bottom



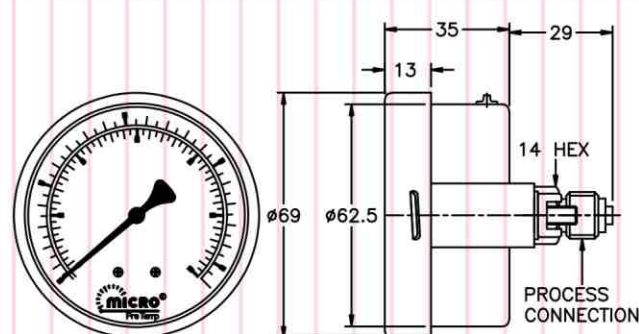
63 mm Back Connection



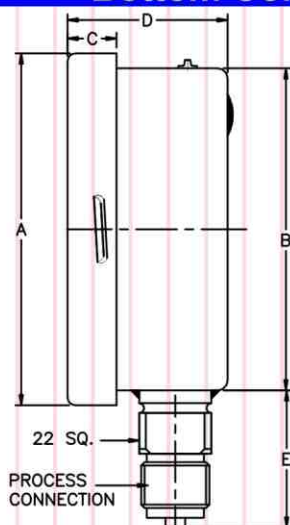
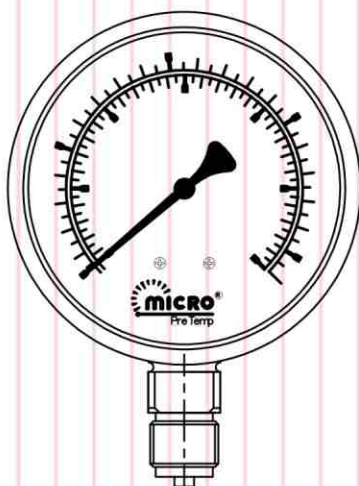
63 mm Panel



63 mm Back with Bracket



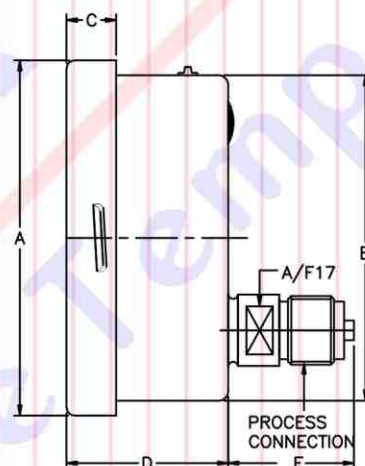
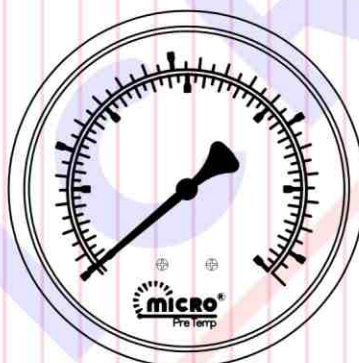
Bottom Connection



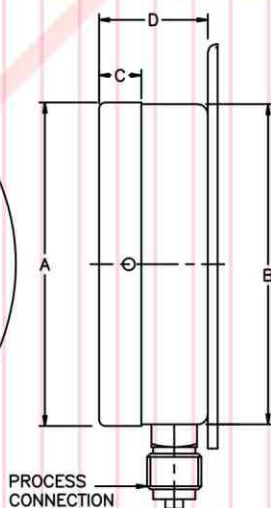
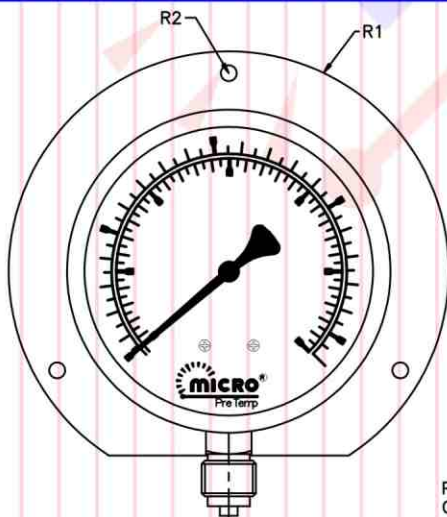
Size	A	B	C	D	E
100 mm	108	99	15	49	42
150 mm	154	149	15	49	44
200 mm	216	200	15	52	44
250 mm	265	247	15	55	44

Back Connection

Size	A	B	C	D	E
100 mm	108	99	15	49	42
150 mm	154	149	15	49	44
200 mm	216	200	15	52	44
250 mm	265	247	15	55	44

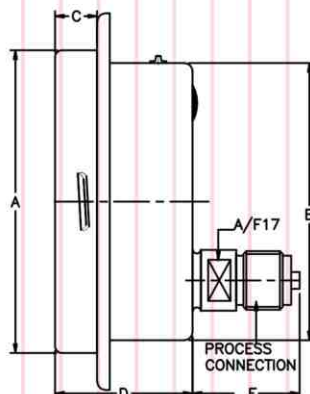
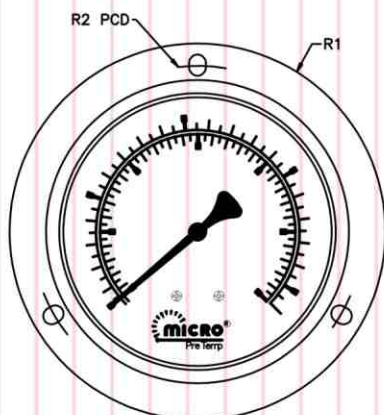


Surface Mounting Bottom Connection



SIZE	A	B	C	D	R1	R2
100mm	102	99	13	35	135.5	122
150mm	153	149	15	35	197	172
250mm	255	247	20	55	287	266

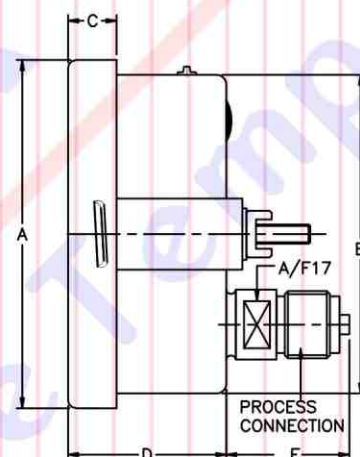
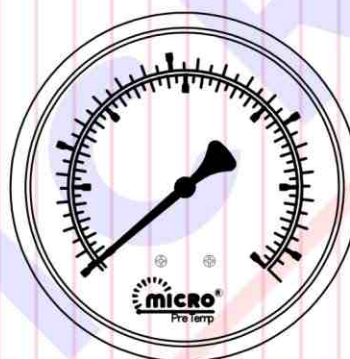
Back Connection Panel Mounting



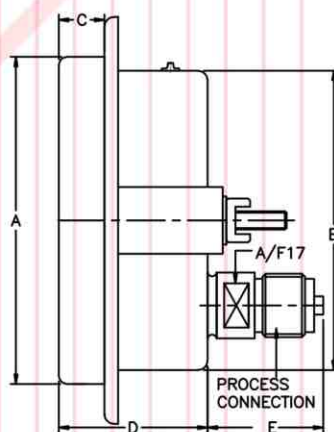
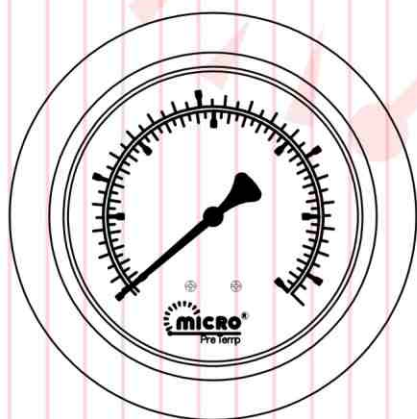
SIZE	A	B	C	D	E	R1	R2
100mm	108	99	15	49	42	134	118
150mm	154	149	15	49	44	186	168
200mm	216	200	15	52	44	-	-
250mm	265	247	15	55	44	-	-

Back Connection Bracket Mounting

SIZE	A	B	C	D	E
100mm	108	99	15	49	42
150mm	154	149	15	49	44
200mm	216	200	15	52	44
250mm	265	247	15	55	44



Back Connection Panel + Bracket Mounting



SIZE	A	B	C	D	E
100mm	108	99	15	49	42
150mm	154	149	15	49	44
200mm	216	200	15	52	44
250mm	265	247	15	55	44

How to Order -

1.	Dial Size -	05 50 mm (2 ½") Dial 06 63 mm (2 ½") Dial 10 100 mm (4") Dial 15 150 mm (6") Dial 20 200 mm (8") Dial 25 250 mm (10") Dial	XX
2.	Case Type & Material -	E Economical Type (Case & Bezel – SS 304 Snap Action Type) S Special Type (Case & Bezel – SS 304 Snap Action Type)	X
3.	Type -	WP Weather Proof (Dry) Pressure Gauges	XX
(3)	Additional Requirement to Type - (Available in 100 & 150 mm Dial Size in Special version)	SF Solid Front Case (Safety Pattern) SEC Single Electric Contact (Contact Details: 380 V AC 1Amp. / 24 V DC 0.5 Amp) DEC Double Electric Contact (Contact Details: 380 V AC 1Amp. / 24 V DC 0.5 Amp) TEC Triple Electric Contact (Contact Details: 380 V AC 1Amp. / 24 V DC 0.5 Amp)	XX Or XXX
4.	Movement Material -	Brass B (For 50 & 63 mm dial size & in economical version for 50 / 63 / 100 & 150 mm Dial size) S SS 304 6 SS 316	X
5.	Sensing Element -	Brass B (For Economical series in 50 & 63 mm dial) 6 SS 316 L SS 316 L M Monel Ti SS 316 Ti	X
6.	Socket Material -	Brass B (For Economical version in 50 & 63 mm Dial Size) 4 SS 304 (standard for Economical version in 100 & 150 mm Dial size) 6 SS 316 L SS 316 L M Monel Ti SS 316 Ti	X
7.	Mounting -	DB Bottom Connection Direct Mounting SM Bottom Connection Surface Mounting BCDM Back Connection Direct Mounting BCPM Back Connection Panel Mounting BCBR Back Connection Bracket Mounting PMBR Back Connection Panel + Bracket Mounting	XX Or XXXX
8.	Connection -	18B/18N/18T 1/8" BSP / 1/8" NPT / 1/8" BSPT 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 / M20 x 1.5 XXX Any Other, Please Specify	XXX

9.

Range -

D015	0/15 PSI	KVAC	-1/0 Kg
D020	0/20 PSI	K0P6	0/0.6 Kg
D030	0/30 PSI	K0P8	0/0.8 Kg
D035	0/35 PSI	K001	0/1 Kg
D050	0/50 PSI	K1P6	0/1.6 KG
D060	0/60 PSI	K002	0/2 Kg
D100	0/100 PSI	K2P5	0/2.5 Kg
D150	0/150 PSI	K004	0/4 Kg
D160	0/160 PSI	K006	0/6 Kg
D200	0/200 PSI	K007	0/7 Kg
D250	0/250 PSI	K010	0/10 Kg
D300	0/300 PSI	K014	0/14 Kg
D350	0/350 PSI	K016	0/16 Kg
D400	0/400 PSI	K020	0/20 Kg
D500	0/500 PSI	K025	0/25 Kg
D600	0/600 PSI	K030	0/30 Kg
D800	0/800 PSI	K040	0/40 Kg
D01K	0/1000 PSI	K050	0/50 Kg
D1K5	0/1500 PSI	K060	0/60 Kg
D1K6	0/1600 PSI	K100	0/100 Kg
D02K	0/2000 PSI	K160	0/160 Kg
D03K	0/3000 PSI	K200	0/200 Kg
D3K5	0/3500 PSI	K250	0/250 Kg
D04K	0/4000 PSI	K300	0/300 Kg
D05K	0/5000 PSI	K400	0/400 Kg
D06K	0/6000 PSI	K500	0/500 Kg
D08K	0/8000 PSI	K600	0/600 Kg
D8K5	0/8500 PSI	K700	0/700 Kg
D10K	0/10000 PSI	K800	0/800 Kg
D15K	0/15000 PSI	K01K	0/1000 Kg
D20K	0/20000 PSI	K1K4	0/1400 Kg
D30K	0/30000 PSI	K1K6	0/1600 Kg
DVAC	-760 mm Hg/0	K02K	0/2000 Kg
		K2K5	0/2500 Kg
		K03K	0/3000 Kg
		CKP6	-1/0.6 Kg
		CK01	-1/+1 Kg
		CKP5	-1/1.5 Kg
		CK03	-1/3 Kg
		CK05	-1/5 Kg
		CK06	-1/6 Kg
		CK07	-1/7 Kg
		CK09	-1/9 Kg
		CK15	-1/15 Kg
		CK19	-1/19 Kg
		CK24	-1/24 Kg

XXXX