

OPEN FRONT PRECISION PROCESS PRESSURE GAUGE



MAIN FEATURES

All SS measuring system
Socket-case, direct welded
Dry / liquid filled

SUGGESTED APPLICATIONS

Liquid & gaseous mediums
Corrosive environments
Oil & Gas applications
Chemical & Petrochemical
Food & Beverages
Nuclear power plants

TEMPERATURE EFFECT

When temperature of the measuring system deviates from reference temperature (+20°C) : max error $\pm 0.4\%$ / 10K of true scale value.



FULL STAINLESS STEEL PROCESS PRESSURE GAUGES

BASIC DESCRIPTION

Sensing element : Bourdon Tube
(<100 bar : C - type , >100 bar : Helical)
Accuracy: $\pm 1.0\%$ F.S.D.
Ambient temperature: $-40\ldots+65^{\circ}\text{C}$
Service temperature: 300°C max.
Steady pressure: Up to FS value
Fluctuating pressure: Up to 90% of FS value
Over-pressure: $1.3 \times \text{FS value} \leq 100$ bar
 : $1.15 \times \text{FS value} \geq 100$ bar
Weld joints: TIG argon arc welding

PRODUCT SPECIFICATION

STANDARD VERSION [CODE : 232C]

Dial size : DN100 / DN150 / DN250
Range : $-1\ldots 0\ldots 1,600$ bar
Mounting pattern : Direct, Bottom connection
Process connection : $\frac{1}{2}$ " NPT (M) / $\frac{1}{2}$ " BSP (M)
Ingress protection : IP 65
Execution : Dry but fill-able
Case & Ring material : AISI 304 SS (Bayonet type)
Bourdon tube & Shank : AISI 316L SS (Shank welded directly to case)
Movement mechanism : AISI 304 SS
Dial : Aluminum, black graduation on white background
Pointer : Micro-zero adjustable, aluminum, black powder coated
Gaskets, Blow off disc & filling plug : Neoprene
Window : Shatterproof safety glass

LIQUID FILLED VERSION (GLYCERIN) [CODE : G]

Ambient temperature: $-20\ldots+65^{\circ}\text{C}$
Dampening liquid : Glycerin 99.7%

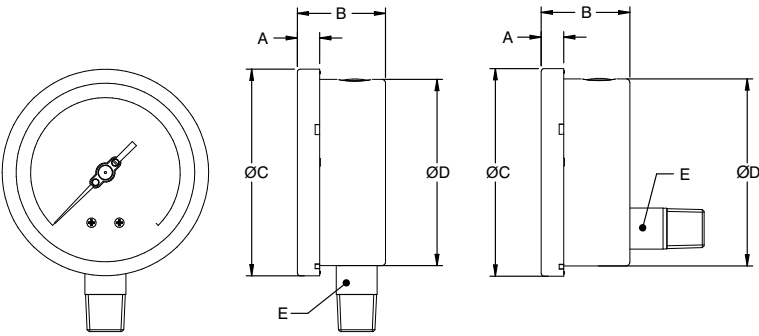
LIQUID FILLED VERSION (SILICON OIL) [CODE : S]

Ambient temperature: $-40\ldots+65^{\circ}\text{C}$
Dampening liquid : Silicon oil

DIMENSIONAL DRAWINGS

100mm / 150mm / 250 mm

MOUNTING ACCESSORIES

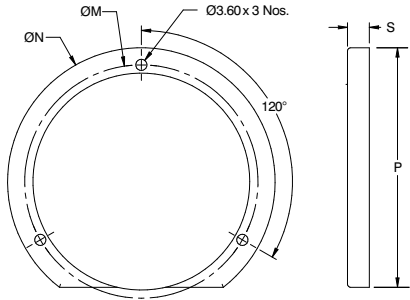


Direct Bottom

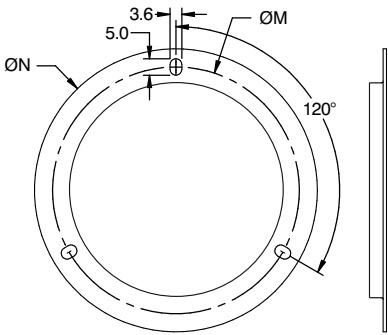
Lower Back

NS	A	B	ØC	ØD	E
100	12	48	111	100	22
115	15	48	129	119	22
150	15	48	161	149	22
250	18.5	50	263	250	22

All dimensions are in mm.



Surface Plate with U-Clamp



Front Flange

NS	P	S	ØN	ØM
100	128	7	134	118
150	172	7	186	168

All dimensions are in mm.

MODEL CODING

MODEL	-	DIAL SIZE	MOUNTING	CONNECTION	CASE EXECUTION	/	RANGE	/
232C = OPEN FRONT PRECISION PROCESS PRESSURE GAUGE		100 = 100 mm 150 = 150 mm 250 = 250 mm	B = Direct Bottom L = Lower Back	M2N = ¼" NPT (M) M2B = ¼" BSP (M) M4N = ½" NPT (M) MBN = ½" BSP (M) M2M = M12 X 1.0P M4M = M20 X 1.5P M3B = ¾" BSP (M)	D = Dry but fill-able G = Glycerin filled S = Silicon oil filled		0...10 to 0...15000 psi or 0...0,6 to 0...1000 bar or equivalent units	

OTHER OPTIONS								
FF = Front flange with back mounting (3 Hole Panel) UC = Surface Plate TS4=Tag plate in SS 304 TS6 = Tag plates in SS 316			CD = Custom Design Dial TD= Tag Marking on Dial RT = Rolling type Case & Ring BT = Bayonet Type Case & Ring EZ = External Zero Adjustment			MTC2.2 =Material test certificate, 2.2 MTC = Material test certificate. 3.1 CC = 5-point calibration certificate		

ORDERING EXAMPLE 232C-100-S6L-B-M3N-SO4-G/RANGE/A1.CC.CD.UC.

QUICK ORDER DETAILS / FEEDBACKS