



STAINLESS STEEL
PRESSURE GAUGE
SS BOURDON TUBE

MODEL: PGW

FEATURES:

- All SS Measuring System
- Socket-Case, direct welded
- Dry / liquid filled.

APPLICATION:

- Oil & Gas applications
- Corrosive environments
- Liquid & Gaseous Mediums
- Nuclear Power Plants

STANDARD SPECIFICATIONS

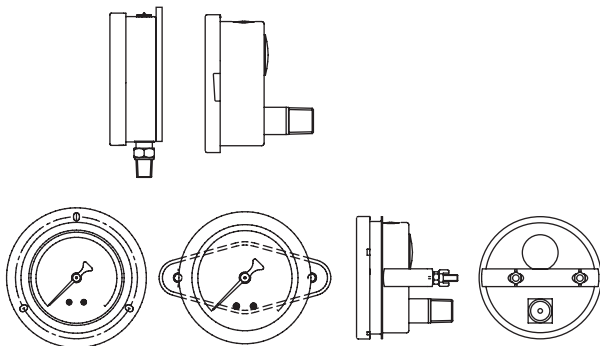
Dial size	50/ 63/ 80/ 100/ 150/ 250 mm
Range	-1...0...1,000 bar or other equivalent units of pressure or vacuum
Mounting pattern	Direct, Bottom Connection
Process Connection	1/4" NPT (M) - for 50/ 63 mm 1/2" NPT/ BSP (M) - for 80/ 100/ 150 mm
Ingress protection	IP 54 / IP 65
Execution	Dry / liquid filled, glycerine 99.7% (Temp. upto 65°C)

MATERIAL OF CONSTRUCTION

Sensing element	Bourdon Tube (≤ 70 bar:C-Type, >70 bar:Helical)
Bourdon tube	AISI 316L SS
Socket	AISI 316L SS(Socket welded directly to case in 100 & 150 mm)
Case & Ring material	AISI 304 SS (Bayonet Type)
Movement	AISI 304 SS
Dial	Aluminum, black graduation on white background
Pointer	Micro-Zero adjustable,aluminum black powder coated(100/150 mm) Zero adjustable,aluminum black powder coated (50/63/80/250 mm)
Gaskets, Blow off disc & filling plug	Neoprene
Window	Sheet glass/ Safety glass/ Shatterproof glass

STANDARD PARAMETERS

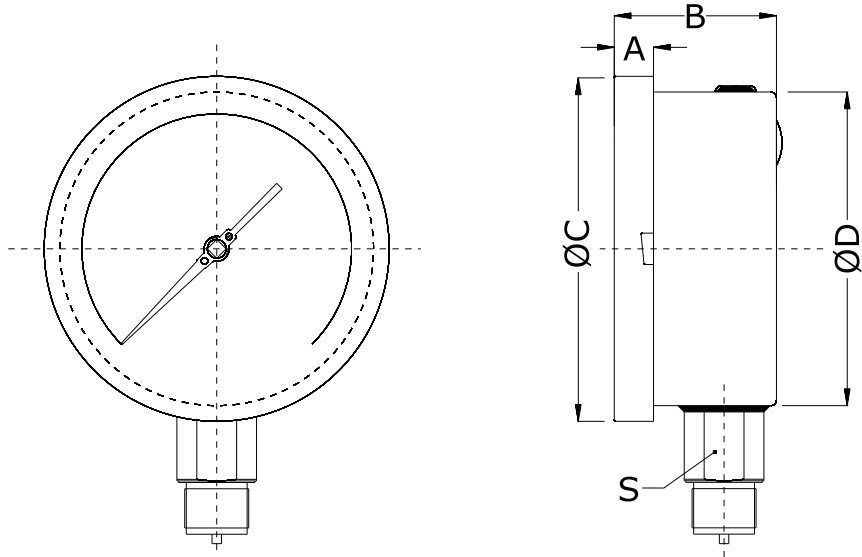
Accuracy	$\pm 1.0\%$ / ($\pm 0.5\%$ avial in 100/ 150 mm)
Ambient temperature	-40... +65°C (without dampening liquid) -20... +65°C (with dampening liquid)
Pressure limits	Steady - Full Scale Value Fluctuating - 0.9 x Full Scale Value Short time 1.3 x Full Scale Value
Weld Joints	TIG argon arc welding





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NS	A	B	ØC	ØD	S	Weight (gram)
100 mm	12	48	111	100	SQ 22	550
150 mm	15	48	161	149	SQ 22	900
250 mm	17	50	263	250	SQ 22	1300

HOW TO ORDER :-

Model No - Dial Size - Mounting Pattern - Process Connection- Window - Range - Options

Example - PGW - 6" - DB - M20 - SG - 10M



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ORDER INFORMATION / PART NUMBER -

MODEL: PGW

Model No	(NS) Dial Size (Product code)	Mounting pattern (Product Code)	Process Connection (Product Code)	Window (Product Code)	Standard Pressure Range in Mpa (Product Code)	Standard Pressure Range in bar/psi (Product Code)	Other Engineering Units and range (Code)	Options (Available on request)
PGW	50 mm (2)	Direct Bottom (DB)	(NS above 100mm) M20 X 1.5 (M) (M20)	PLAIN GLASS(PG)	0 to 0.1 Mpa (0.1M)	0 to 1 bar (0.1B)	Kg/cm ² (KG)	Socket & Tube Monel
	63 mm (2.5)	(NS 63mm only) Center Back (CB)	(NS above 100mm) 1/2" NPT (M) (1/2N)	SAFETY GLASS (SG)	0 to 0.25 Mpa (0.25M)	0 to 2.5 bar (0.25B)	bar (B)	IP 65
	100 mm(4)	Lower Back (EB)	(NS above 100mm) 1/2" BSP (M) (1/2B)	Shatterproof Glass (SPG)	0 to 0.4 Mpa (0.4M)	0 to 4 bar (0.4B)	psi (P)	IP 66
	150 mm(6)		1/4" NPT (M) (1/4N)	Acrylic Glass (AG)	0 to 0.6 Mpa (0.6M)	0 to 6 bar (0.6B)	Mpa (M)	IP 67
	250 mm (10)		1/4" BSP (M) (1/4B)		0 to 1 Mpa (1M)	0 to 10 bar (1B)	Kpa (K)	IP 68
			(NS above 100mm) 3/8" BSP (M) (3/8B)		0 to 1.6 Mpa (1.6M)	0 to 16 bar (1.6B)	mmHg (Vac)	Glycine filled
			(NS above 100mm) 3/8" BSPT (M) (3/8BT)		0 to 2 Mpa (2M)	0 to 20 bar (2B)	inHg (Vaci)	Silicon oil Filled
					0 to 2.5 Mpa (2.5M)	0 to 25 bar (2.5B)		Case Material SS 316
					0 to 4 Mpa (4M)	0 to 40 bar(4B)		Dual Scale
					0 to 6 Mpa (6M)	0 to 60 bar (6B)		Oil Free
					0 to 10 Mpa (10M)	0 to 100 bar (10B)		Front Panel
					0 to 16 Mpa (16M)	0 to 160 bar (16B)		Surface Plate
					0 to 20 Mpa (20M)	0 to 200 bar (20B)		U-clamp
					0 to 25 Mpa (25M)	0 to 250 bar (25B)		External Zero Adjustment
					0 to 40 Mpa (40M)	0 to 400 bar (40B)		vacuum & Compound
					0 to 60 Mpa (60M)	0 to 600 bar (60B)		Ranges Available
					0 to 70 Mpa (70M)	0 to 700 bar (70B)		
					0 to 100 Mpa (100M)	0 to 1000 bar (100B)		Other Process Connection avail on request