

FEATURES

- Solid front with full blow back
- All stainless steel system
- External zero adjustment
- Dry / liquid filled
- CE marking

APPLICATION

- Oil & Gas applications
- High pressure applications
- Corrosive & Hazardous environments

REFERENCE

EN 837-1, PED 97/23/EC

External Zero Adjustment



STANDARD PARAMETERS

Accuracy	: CL 1.0
Ambient temperature	: -40...+65°C (without dampening liquid)
	: -20...+65°C (with dampening liquid)
Service temperature	: 300°C max.
Pressure limits	: Steady pressure up to FS value
	: Fluctuating pressure up to 90% of FS value
	: Short time 1.3 x FS value for range up to 100 bar
	: Short time 1.15 x FS value for range above 100 bar
Weld joints	: TIG argon arc welding

MATERIAL OF CONSTRUCTION

Sensing element	: Bourdon Tube (<100 bar : C - type , >100 bar : Helical)
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 & filling plug	: Neoprene
Window	: Shatterproof safety glass
Blow off disc	: AISI 304 SS
Diaphragm	: NBR

STANDARD SPECIFICATIONS

Dial size	: DN100 / DN150
Range	: -1...0...1,600 bar
Mounting pattern	: Direct, Bottom connection
Process connection	: ½" NPT (M)
Ingress protection	: IP 65
Execution	: Dry but fillable, glycerin
Zero adjustment	: External screw with locking mechanism

STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED, GLYCERIN

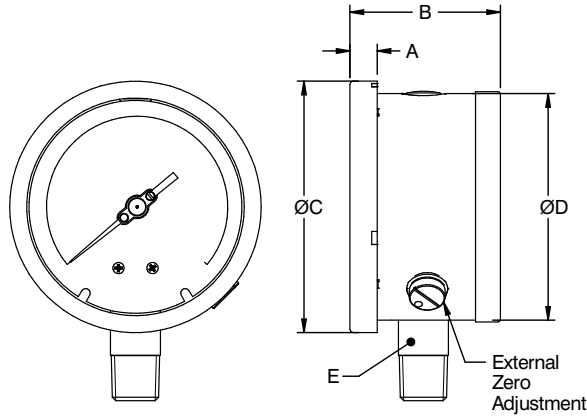
Window	: Shatterproof safety glass
Dampening liquid	: Glycerin 99.7% [Service temperature up to 65°C]

TEMPERATURE EFFECT

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

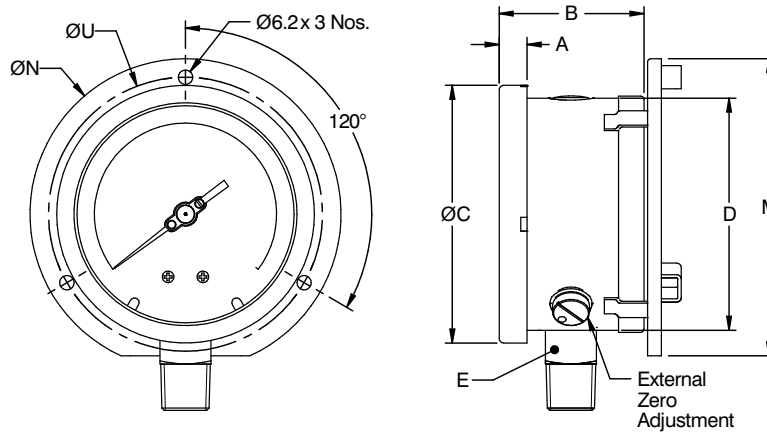
DIMENSIONAL DRAWING

Type B0



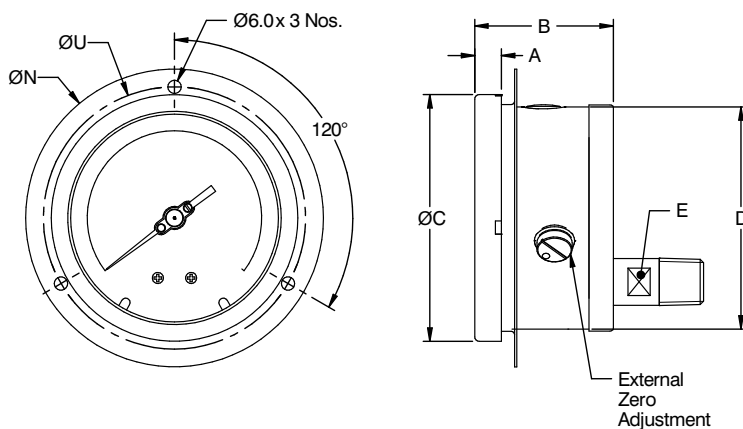
DN	A	B	ØC	ØD	E	Weight (grams)
100	12	66.5	111	100	SQ.22	874
150	17	68.5	161	149	SQ.22	1682

Type B1



DN	A	B	ØC	ØD	E	M	ØN	ØU	Weight (grams)
100	12	66.5	111	100	SQ.22	128	134	118	9553
150	17	68.5	161	149	SQ.22	172	186	168	1790

Type L1



DN	A	B	ØC	ØD	E	ØN	ØU	Weight (grams)
100	12	66.5	111	100	A/F-17	134	118	950
150	17	68.5	161	149	A/F-17	186	168	1798

ORDERING CODES

1. DIAL SIZE	04	7. OTHER OPTIONS	XX
04 100 mm / 4"	04	BA Case & Ring in AISI 316 SS (B0)	XX
06 150 mm / 6"		BB Case & Ring in AISI 316 SS (B1)	
2. RANGE	XXX	BL Case & Ring in AISI 316 SS (L1)	
XXX Refer "Range Table"	XXX	BC Case & Ring in AISI 316 SS (B2)	
3. MOUNTING PATTERN	B0	EM Dampening screw, Monel	
B0 Direct, Bottom connection	B0	EN Dampening screw, AISI 316 SS	
B1 Wall/Surface/Projection mounting, Bottom connection		EX Internal overload stop	
B2 2" Pipe/Yoke mounting, Bottom connection		EY Internal vacuum stop	
L1 Panel/Front flange mounting, Lower Back connection ⁵		EZ Pointer stop on dial	
4. PROCESS CONNECTION	14N	GL AISI 316 SS movement	
12B 1/4" BSP (M)	14N	GM Dampened movement	
12N 1/4" NPT (M)		GW Maximum Reading pointer ³	
13B 3/8" BSP (M)		GX Knife edge pointer	
14B 1/2" BSP (M)		MN Monel wetted parts	
14M M20 X 1.5 mm (M)		OP Overrange protection 1.5xFS	
14N 1/2" NPT (M)		OS Short Overpressure 4xFS	
5. INGRESS PROTECTION	ER	P8 Epoxy coating (Case & Ring)	
ER IP 65	ER	R9 Receiver gauge ⁴	
ES IP 66		RA Rubber parts, Viton	
ET IP 67		RN Rubber parts, NBR	
6. EXECUTION	EB	RW Vent plug, ON-OFF type	
EA Dry	EB	TA 5 - point calibration certificate	
EB Dry but fillable, glycerine		TC Material test certificate 3.1	
EC Dry but fillable, silicon oil ²		TE CE certificate	
EG Dampening liquid filled, glycerine		TI IBR certification	
EH Dampening liquid filled, silicon oil ²		TL Helium leak testing	
		TM Material test certificate 2.2	
	TN Tested to NACE standards		
	TO Certification for Oxygen service		
	TP Performance test		
	TT C.C. with NABL traceability		
	XA Accuracy CL 0.5 / CL 0.6 of FS		
	XF SS tag plate, AISI 304 SS		
	XG SS tag plate, AISI 316 SS		
	XR Custom designed dial		
	XT Dial tag marking		

Ordering Example : P202-04-XXX-B0-14N-ER-EB

NOTES

1. For other connections, please contact factory.
2. Rubber parts shall be in Viton.
3. Available in dry version only with accuracy CL 1.0 or above.
4. Please specify the second scale required.
5. Available in dry version only.
6. C.C = Calibration Certificate