

FEATURES

- Socket-case, direct welded CE marking
- External zero adjustment
- External dead band adjustment

APPLICATION

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical

Gauge With Externally Rotatable Dial



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
Safety dead band adjustment	: $\pm 45^\circ$ max.
Pointer	: Micro-zero adjustable, aluminum, black powder coated
Gaskets, Blow off disc & filling plug	: Neoprene
Window	: Sheet glass

STANDARD SPECIFICATIONS

Dial size	: DN100 & DN150
Range	: -1...2,100 bar
Mounting pattern	: Direct, Bottom connection
Process connection	: 1/2" NPT (M)
Ingress protection	: IP 65
Execution	: Dry

STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED, GLYCERIN

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

TEMPERATURE EFFECT

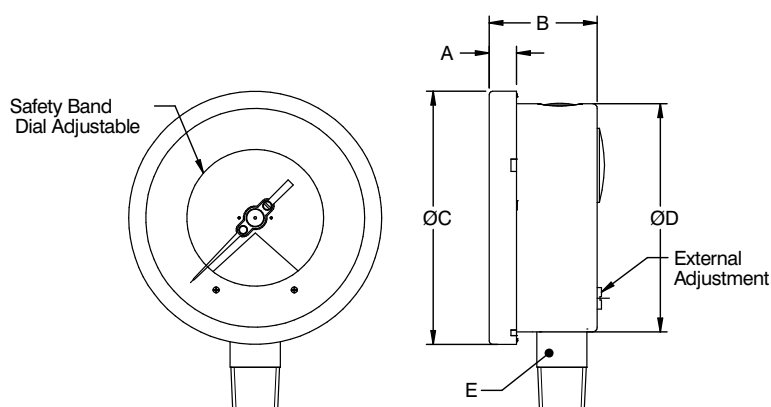
When temperature of the measuring system deviates from reference temperature (+20°C) max error $\pm 0.4\%$ / 10K of true scale value.

REFERENCE

EN 837-1

DIMENSIONAL DRAWING

Type L2



DN	A	B	ØC	ØD	E	Weight (grams)
100	12	48	111	100	SQ.22	506
150	15	48	161	149	SQ.22	900

All dimensions are in mm.

ORDERING CODES

1. DIAL SIZE

04	100 mm / 4"
06	150 mm / 6"

2. RANGE

XXX	Refer "Range Table"
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3. MOUNTING PATTERN

B0	Direct, Bottom connection
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4. PROCESS CONNECTION

14B	1/2" BSP (M)
14M	M20 X 1.5 mm (M)
14N	1/2" NPT (M)

5. INGRESS PROTECTION

ER	IP 65
ES	IP 66
ET	IP 67

6. EXECUTION

EA	Dry
EB	Dry but fillable, glycerine
EC	Dry but fillable, silicon oil ²
EG	Dampening liquid filled, glycerine
EH	Dampening liquid filled, silicon oil ²

7. OTHER OPTIONS

EM	Dampening screw, Monel
EN	Dampening screw, AISI 316 SS
EX	Internal overload stop
EY	Internal vacuum stop
EZ	Pointer stop on dial
GB	Plexi glass
GC	Shatterproof safety glass
GL	AISI 316 SS movement
GM	Dampened movement
MN	Monel wetted parts
TA	5 - point calibration certificate
TC	Material test certificate 3.1
TE	CE certificate
TM	Material test certificate 2.2
TN	Tested to NACE standards
TO	Certification for Oxygen service
BA	Case & Ring in AISI 316 SS (B0)
RA	Rubber parts, Viton
RN	Rubber parts, NBR
RB	Rubber parts, Buna-N
RW	Vent plug, ON-OFF type
XG	SS tag plate, AISI 316 SS
XF	SS tag plate, AISI 304 SS
XR	Custom designed dial
XT	Dial tag marking

Ordering Example : P802-04-XXX-B0-14N-ER-EA

NOTES

- For other connections, please contact factory.
- Rubber parts shall be in Viton.