

FEATURES

- Solid front with full blow back
- All stainless steel system
- 4...20 mA transmitter output

APPLICATION

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

Solid Front with Full Blow Back



STANDARD PARAMETERS

Accuracy	:	CL 1.0 (Pressure Gauge), CL 0.5 (Transmitter)
Ambient temperature	:	-40...+65°C
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)
Transmitter Sensing element & connection	:	AISI 316L SS
Movement mechanism	:	AISI 304 SS
Dial	:	Aluminum, black graduation on white background
Pointer	:	Micro-zero adjustable, aluminum, black powder coated
Gaskets & filling plug	:	Neoprene / NBR
Window	:	Shatterproof safety glass
Blow off disk	:	AISI 304 SS

STANDARD SPECIFICATIONS

Dial size	:	DN100 / DN150
Range	:	-1...0...600 bar
Mounting pattern	:	Direct, Bottom connection
Process connection	:	1/2" NPT (M) / 1/2" BSP (M)
Ingress protection	:	IP 65
Execution	:	Dry
Wiring configuration	:	2 wire type
Supply voltage	:	24 VDC, loop powered
Electrical termination	:	4 pin PG 13.5 connector

TEMPERATURE EFFECT

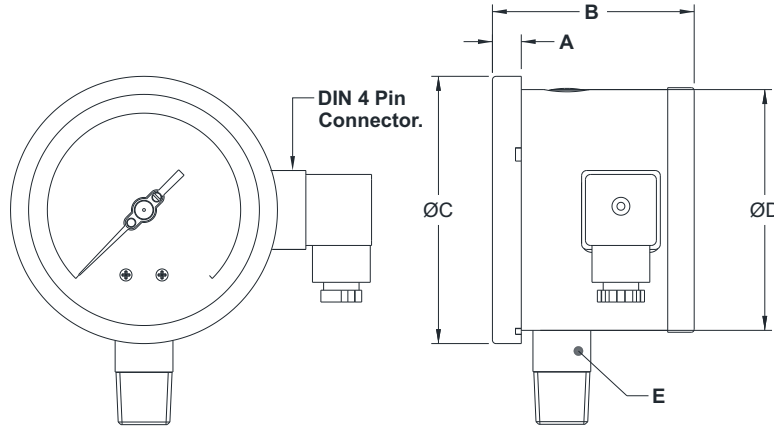
When temperature of the measuring system deviates from reference temperature (+20°C) max error $\pm 0.4\%$ / 10K of true scale value.

REFERENCE

EN 837-1

DIMENSIONAL DRAWING

Type B0



DN	A	B	ØC	ØD	E	Weight (grams)
100	12	84	111	100	SQ.22	930
150	15	84	161	149	SQ.22	1324

All dimensions are in mm.

ORDERING CODES

1. DIAL SIZE

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

06

2. RANGE

- XXX Refer "Range Table"

XXX

3. MOUNTING PATTERN

- B0 Direct, Bottom connection

B0

4. PROCESS CONNECTION

- 14B 1/2" BSP (M)
- 14N 1/2" NPT (M)

14N

5. INGRESS PROTECTION

- ER IP 65

ER

6. EXECUTION

- EA Dry
- EK Dampening electric filled, dielectric oil³

EA

7. OTHER OPTIONS

- BA Case & Ring in AISI 316 SS (B0)
- EN Dampening screw, AISI 316 SS
- GL AISI 316 SS movement
- XF SS tag plate, AISI 304 SS
- XG SS tag plate, AISI 316 SS
- XR Custom designed dial
- XT Dial tag marking
- TA 5 - point calibration certificate
- TC Material test certificate 3.1
- TM Material test certificate 2.2
- TN Tested to NACE standards
- TO Certification for Oxygen service
- RA Rubber parts, Viton
- G6 6 pin, M20x1.5mm connector

XX

Ordering Example : P503-06-XXX-B0-14N-ER-EA

NOTES

1. For other connections, please contact factory.
2. Electric contacts are available on request. Please contact factory for details.
3. Rubber parts shall be in Viton.