

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
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	:	½" NPT (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

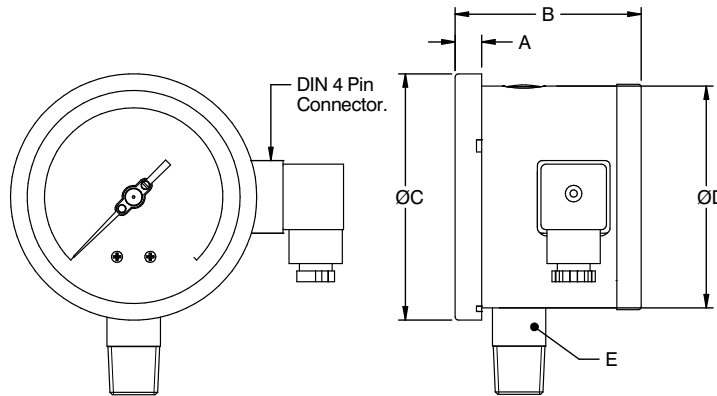
When temperature of the measuring system deviates from reference temperature (+20°C) max error $\pm 0.4\%$ / 10K of true scale value.

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"
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XXX

3. MOUNTING PATTERN

B0	Direct, Bottom connection
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B0

4. PROCESS CONNECTION

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

14N

5. INGRESS PROTECTION

ER	IP 65
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ER

6. EXECUTION

EA	Dry
EK	Dampening electric filled, dielectric oil ³

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
RN	Rubber parts, NBR
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.