

TRANSMITTER PRESSURE GAUGE

AI.PG.4-20



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

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

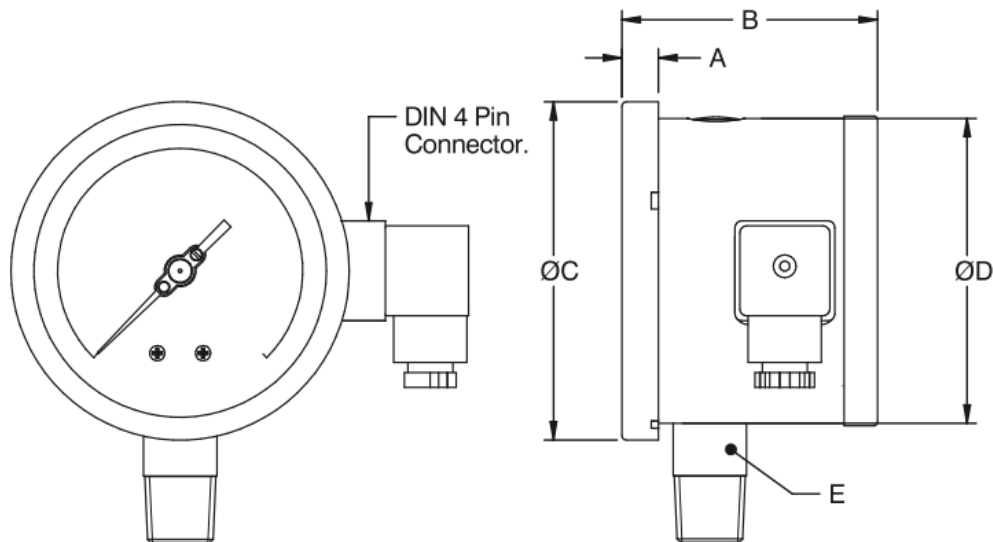
Supply voltage: 24 VDC, loop powered

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.

DIMENSIONAL DRAWING



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

ORDERING CODES

1. DIAL SIZE

100	100 mm / 4"
150	150 mm / 6"

2. RANGE

XXX	Refer "Range Table"
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3. MOUNTING PATTERN

RD	Direct, Bottom connection
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4. PROCESS CONNECTION

1	1/2" BSP (M)
2	1/2" NPT (M)

5. INGRESS PROTECTION

IP65	IP 65
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6. EXECUTION

W	Dry
WT	Dampening electric filled, dielectric oil ³

7. OTHER OPTIONS

01	Case & Ring in AISI 316 SS (B0)
02	Dampening screw, AISI 316 SS
03	AISI 316 SS movement
04	SS tag plate, AISI 304 SS
05	SS tag plate, AISI 316 SS
06	Custom designed dial
07	Dial tag marking
08	5 - point calibration certificate
09	Material test certificate 3.1
10	Material test certificate 2.2
11	Tested to NACE standards
12	Certification for Oxygen service
13	Rubber parts, Viton
14	Rubber parts, NBR
15	6 pin, M20x1.5mm connector

Esempio codice di ordinazione: AI.PG.4-20.100.-1+1.RD.1.IP65.WT



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Certificate of Quality
System ISO 9001:2015
Cert n°38785/19/S