

## 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
Electrical Termination	:	DIN connector
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)
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

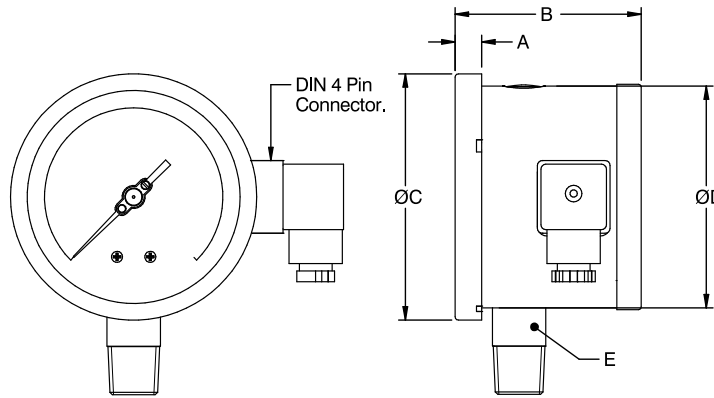
When temperature of the measuring system deviates from reference temperature (+20°C) max error  $\pm 0.4\%$  / 10K of true scale value.

## 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

<b>1. DIAL SIZE</b>		06	<b>6. EXECUTION</b>		EA
04	100 mm / 4"		EA	Dry	
06	150 mm / 6"		EK	Dampening electric filled, dielectric oil <sup>3</sup>	
<b>2. RANGE</b>		XXX	<b>7. OTHER OPTIONS</b>		XX
XXX	Refer "Range Table"		BA	Case & Ring in AISI 316 SS (B0)	
<b>3. MOUNTING PATTERN</b>		B0	EN	Dampening screw, AISI 316 SS	
B0	Direct, Bottom connection		GL	AISI 316 SS movement	
<b>4. PROCESS CONNECTION</b>		14N	XF	SS tag plate, AISI 304 SS	
14B	1/2" BSP (M)		XG	SS tag plate, AISI 316 SS	
14N	1/2" NPT (M)		XR	Custom designed dial	
<b>5. INGRESS PROTECTION</b>		ER	XT	Dial tag marking	
ER	IP 65		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	

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.