

Differential pressure gauge PBD Series



- Double Bourdon tube
- Dry
- All Stainless Steel
- Ø 100, Ø 160 mm
- ΔP : 0...0,6 to 0...16 bar
- Max static pressure : 2,5 to 4 times the range

APPLICATIONS

- Measurement of differential, medium pressure, environments and corrosive fluids
- Filter clogging monitoring in ventilation systems, central heating, clean rooms
- Control in the oil, marine, offshore industry

DESCRIPTION

In the PBD series, there are two Bourdon tubes (3) and (4) which receive the two pressures. Their ends are integral with a connecting rod (2) which controls the needle mechanism (1). Given the small movement in the amplitude of the ranges, the stroke of the needle falls within an angle of 90° to 180°. The standard model is integrated into a stainless steel case. Glycerin filled possible

TECHNICAL DETAILS

Measuring range	ΔP : 0...0,6 bar to 0...16 bar
Max static pressure	See table below
Accuracy class	1,6
Pressure element	Bourdon tube, AISI 316
Movement	AISI 316
Case	AISI 304
Bezel	AISI 304
	Bayonet ring
Window	Safety glass
Ambiente temperature	-20...+60 °C
Process temperature	-20...+100 °C
Socket, connection	2 x G 1/2", AISI 316 L
Mounting	Bottom connection, back flange
Protection	IP 65
Weight	± 1 kg
Filling liquid	Without (glycerin filled on demand)
Graduation	90 °C to 180 °C

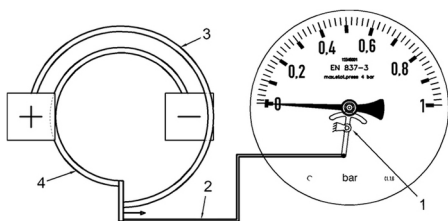
EC Conformity : The instrument meets the legal requirements of the current European Directives

REFERENCES

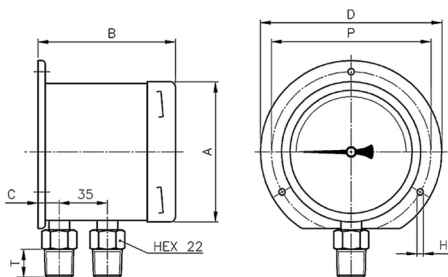
PBD Series, bottom connection, back flange, 2x G 1/2, scale 90° to 180°

ΔP	Max static pressure	Ø 100	Ø 160
0 0,6 bar	3 bar	880 022	880 021
0 1 bar	4 bar	880 024	880 023
0 1,6 bar	6 bar	880 026	880 025
0 2,5 bar	10 bar	880 028	880 027
0 4 bar	16 bar	880 030	880 029
0 6 bar	25 bar	880 032	880 031
0 10 bar	30 bar	880 034	880 033
0 16 bar	40 bar	880 036	880 035

Functioning



- 1 : Pointer mechanism
- 2 : Connecting rod
- 3 : Bourdon tube 1
- 4 : Bourdon tube 2



	Ø 100	Ø 160
A	101.5	162
B	100	102
C	14	18
D	132	196
E	90	120
P	116	178
H	4.5	6
T*	20	20

*Standard connexion G 1/2"



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PBD Series

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