

Precision test gauges with Bourdon tube according to EN 837-1

Nominal size ND 250 mm

Connection position bottom Accuracy class 0.6



Description

Our precision test gauges are manufactured to highest standards and are used to test pressure in research and development, in laboratories and quality assurance.

The precision test gauges have a high-grade measuring element. The pressure proportional elastic deformation of this Bourdon tube is transmitted through allow friction movement to the knife edge pointer.

Test gauges are suitable for measuring of nonaggressive gaseous and liquid media, although this may not be to viscous or be susceptible to cristallization.

Accuracy can be prooved by means of calibration certificate acc. to DIN 55 350 Part 18 type M against surcharge.

Special features

o exact readings, small scale graduation

o accuracy class 0.6

o 1.3-fold overpressure capability

o window glass lens

Measuring ranges

0 ... 0.6 bar up to 0 ... 1600 bar

Applications

Precision monitoring in processing plants; Control and adjustment of pressure gauges, Test equipment

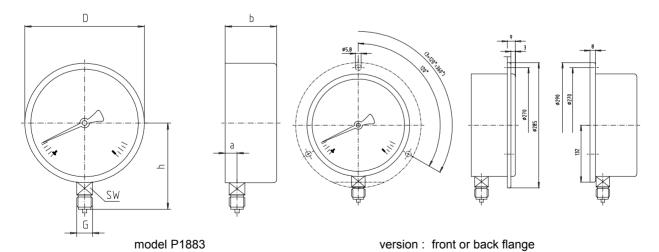
Model: P1883

Technical data

Symbol Accuracy class 0.6 according EN 837-1 Ranges 0 0.6 bar up to 0 1600 bar negative and positive gauge pressure static pressure: up to full scale value dynamic pressure: up to 0.9 times full scale value 1.3 times max. rating shortly Case steel, black finish Bezel steel, black finish Gront flange Window glass lens Dial aluminium white, scale markings black Pointer knife edge pointer, aluminium, black Movement brass Copper alloy < 100 bar Bourdon tube, soft-soldered stainless steel 1.4571 ≥ 100 bar helical tube, hard-soldered NiFe -alloy ≥ 1000 bar stainless steel 1. 4571 - Location - Location - Thread Timin20°C, Tmax. 60°C; soft-soldering Tmin20°C, Tmax. 60°C; soft-soldering/welding Tmin20°C, Tmax. 60°C Temperature drift 0.4 % / 10K if deviation from normal temperature 20°C Protection class IP 54 according EN 80.529/IEC 529 (250 according test certificate Vestion test certificate Vestio	Model	P1883	Options				
Accuracy class Accuracy class 0.6 according EN 837-1 test certificate	Nominal size	250					
Ranges 0 0.6 bar up to 0 1600 bar negative or positive / negative and positive gauge pressure static pressure : up to full scale value dynamic pressure: up to 0.9 times full scale value 1.3 times max. rating shortly back flange steel, black finish Bezel steel, black finish Bezel steel, black finish Window glass lens Dial aluminium white, scale markings black Pointer knife edge pointer, aluminium, black Movement brass copper alloy < 100 bar Bourdon tube, soft- soldered stainless steel 1.4571 ≥ 100 bar helical tube, hard- soldered NiFe -alloy ≥ 1000 bar stainless steel 1. 4571 other threads - Location - Location - Thread G 1/2 B, SW 22 Temperatures - Media Tmin20°C, Tmax. 60°C; soft-soldering Tmin20°C, Tmax. 60°C Temperature drift Tmin20°C, Tmax. 60°C Temperature drift O4 % / 10K if deviation from normal temperature 20°C Calibration medium 1) ≤25 bar: gas, >25 bar: oil	Symbol						
Ranges negative or positive / negative and positive gauge pressure	Accuracy class	0.6 according EN 837-1	test certificate				
Application dynamic pressure : up to 0.9 times full scale value 1.3 times max. rating shortly Dack flange Bezel steel, black finish front flange Window glass lens Dial aluminium white, scale markings black Pointer knife edge pointer, aluminium, black Movement brass Copper alloy < 100 bar Bourdon tube, soft- soldered stainless steel 1.4571 ≥ 100 bar helical tube, hard- soldered NiFe -alloy ≥ 1000 bar helical tube, welded Connection < 1000 bar Brass; ≥ 1000 bar stainless steel 1.4571 other threads on request Temperatures - Media Tmin20°C , Tmax. 60°C; soft-soldering Tmin20°C , Tmax. 60°C Temperature drift 0.4 % / 10K if deviation from normal temperature 20°C Protection class Calibration medium 1) ≤25 bar : gas , >25 bar : oil Driffice 50.49 km c	Ranges						
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	- Media	Tmin20°C , Tmax. 100°C; hard-soldering/welding					
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Calibration medium 1) \leq 25 bar : gas , >25 bar : oil \geq 4 bar : oilOrifice \emptyset 0.3 ; \emptyset 0.4 ; \emptyset 0.8							
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¹⁾ Please state the used medium when ordering, because with the change of the pressure transmitting medium gas (G) or liquid (F), display changes can take place

Dimensions



	Model	Dimensions (mm)								
		а	b ≤4 bar	6-60 bar	≥100 bar	D	f	h ±1	G	SW
	P1883	17	64.5	51.5	64.5	250	50	165	G 1/2 B	22

Modifications reserved