

Bourdon Tube Pressure Gauges

Test Gauge Class 0.6 ($\pm 0.5\%$) • Model 332.30

with Solid Baffle Wall acc. EN 837-1
BS 1780, ASME B 40.1

Pressure Gauges



Service intended

All stainless steel test pressure gauge with solid baffle wall and blow-out back.

Designed in compliance with operational safety requirements of EN 837-1 /9.7.2, BS 1780 and ANSI B 40.1.

Suitable for corrosive environments and gaseous or liquid media that will not obstruct the pressure system.

Design

Safety pattern gauge (SOLID FRONT) to EN 837-1

Nominal size

160 mm

Accuracy class per EN 837-1 /6

0.6

$\pm 0.5\%$ of span (ASME B 40.1 Grade 2A)

Scale ranges per EN 837-1 /5

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

or other equivalent units of pressure or vacuum.

Calibrating medium

≤ 25 bar: gas

> 25 bar: liquid (inside of measuring system dried afterwards)

Working pressure

Steady: full scale value

Fluctuating: $0.9 \times$ full scale value

Short time: $1.3 \times$ full scale value

Operating temperature

Ambient: $-40\text{ }^{\circ}\text{C}$... $+60\text{ }^{\circ}\text{C}$

Medium: $+200\text{ }^{\circ}\text{C}$ maximum

Temperature effect

When temperature of the pressure element deviates from reference temperature ($+20\text{ }^{\circ}\text{C}$):

max. $\pm 0.4\%$ /10 K of true scale value

Ingress protection

IP 54 per EN 60 529 / IEC 529

Standard features

Pressure connection

Material: stainless steel 316L

Lower mount (LM) per EN 873-1 /7.3

G $\frac{1}{2}$ B (male), 22 mm flats

Pressure element

Material: stainless steel 316L

< 100 bar: C-type

≥ 100 bar: helical type

≥ 1000 bar: Ni-Fe-alloy (Ni-Span C)



Movement

Stainless steel

Dial

White aluminium with black lettering

Pointer

Black aluminium, knife edge pointer

Case

Natural finish stainless steel, case with solid baffle wall and blow-out back

Window

Laminated safety glass

Bezel ring

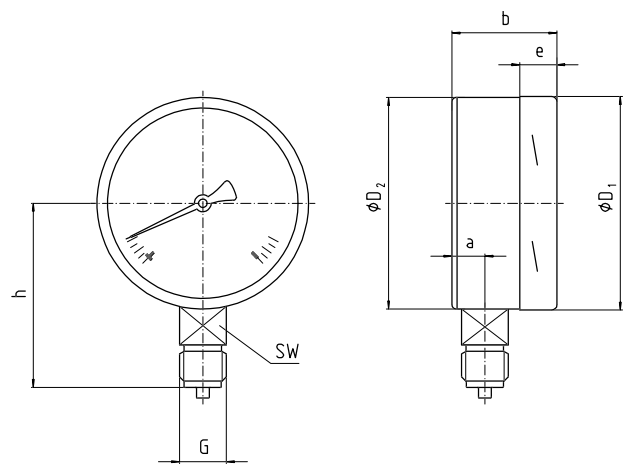
Cam ring (bayonet type), natural finish stainless steel

Optional extras

- Other pressure connection
- Liquid filling (**model 333.30**)
- Surface mounting lugs or 3-hole panel mounting flange
- Alarm contacts (see data sheet AC 08.01)

Dimensions
Standard version

Radial bottom pressure entry (LM)



1034 588

Nominal size	Dimensions [mm]								Weight [kg]
	a	b	D ₁	D ₂	e	G	h ± 1	SW	
160	27 ¹⁾	65 ¹⁾	161	159	17.5	G ½ B	118	22	1.30 ¹⁾

Standard pressure entry with parallel thread and seating to EN 837-1 / 7.3.

1) With pressure ranges ≥ 100 bar: a = 41.5 mm, b = 79 mm resp. weight 1.5 kg

Ordering information

State:
Pressure gauge model / Scale range / Size of connection / Optional extras required

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.



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