

Bourdon Tube Pressure Gauges with Electronic Pressure Switch Stainless Steel Case Type PGS25

WIKA Datasheet PGS25

Applications

- General machine building

Special features

- Non-contact sensor (wear-free)
- Robust stainless steel case
- Scale ranges from 0/30 to 0/6000 PSI
- NPN- or PNP- transistor

Standard Features

Design

ASME B40.100 & EN 837-1

Sizes

2" (50 mm)

Accuracy class

± 3/2/3% of span (ASME B40.100 Grade B)

Ranges

0/30 to 0/6000 PSI

or other equivalent units of pressure or vacuum

Working range

Steady: 3/4 x full scale value

Fluctuating: 2/3 x full scale value

Short time: full scale value

Operating temperature

Ambient: -4°F to +140°F (-20°C to +60°C)

Medium: +190°F (+90°C) maximum

Temperature error

Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% for every 18°F (10°C) rising or falling. Percentage of span.

Connection

Material: Copper alloy

Lower mount (LM) or center back mount (CBM)

1/4" NPT, 14 mm wrench flats

Bourdon tube

Material: Copper alloy

≤ 1000 PSI; C-type

Movement

Copper alloy

Dial

White plastic with black lettering

Pointer

Black plastic

Case

Stainless steel

switchGAUGE



intelliGAUGE Type PGS25

Window

Clear plastic (PC)

Weather protection

NEMA 6 / IP 65

Electronics

Switch points

- NPN
- PNP

breaks (NC - normally closed) or
makes (NO - normally open)

Supply voltage (V_s)

12 to 32 V DC

Electrical connection

Cable outlet

brown	SP1
red	$U_B +$

Switching current

max. 100mA

Electromagnetic compatibility

According to European test standards EN 61000-4-6 &
EN 61000-4-3

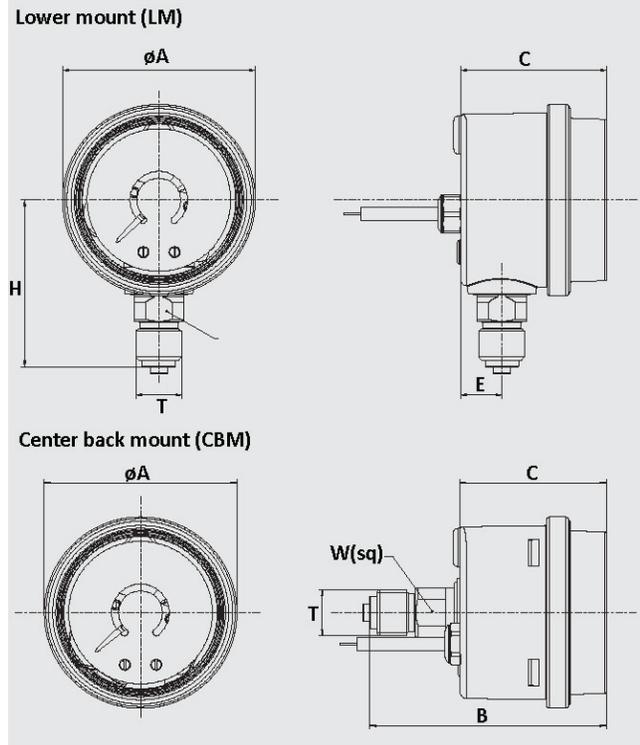
CE mark

This product is exclusively intended for installation in instruments that comply with the requirements of the EC directives.
The CE proof is provided by the customer

Optional extras

- Other threaded process connections
- Other electrical connections
- Weather protection NEMA 6P / IP 67
- Nominal size 2½" (63 mm)
- Accuracy 2/1/2% of span (ASME B40.100 Grade A)
- Other pressure scales available

Dimensions



Size		A	B	C	E	H	T	W	Weight
2"	mm	55	63	34	12	48		14	0.2 kg
	in	2.17	2.48	1.34	0.47	1.89	1/4"	0.55	0.44 lb

Ordering information

Pressure gauge model / Nominal size / 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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