

Bourdon tube pressure gauge with electronic pressure switch Stainless steel case Model PGS25

WIKA data sheet PV 21.04

switchGAUGE

Applications

- General machine building

Special features

- Non-contact sensor (wear-free)
- Robust stainless steel case
- Scale ranges 0 ... 1.6 bar to 0 ... 400 bar
- NPN or PNP switching outputs
- Both switch points factory-programmable between 5 % and 95 % of the scale range



switchGAUGE model PGS25

Description

Design

EN 837-1

Nominal size in mm

50

Accuracy class

2.5

Scale ranges

0 ... 1.6 to 0 ... 400 bar

or all other equivalent vacuum or combined pressure and vacuum ranges

Pressure limitation

Steady: 3/4 x full scale value

Fluctuating: 2/3 x full scale value

Short time: Full scale value

Permissible temperature

Ambient: -20 ... +60 °C

Medium: +60 °C maximum

Temperature effect

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

Process connection

Cu-alloy,

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

G 1/4 B (male), 14 mm flats

Pressure element

Cu-alloy, C-type

Movement

Cu-alloy

Dial

Plastic, white, black lettering

Pointer

Plastic, black

Case

Stainless steel

Window

Plastic, crystal-clear (PC)

Ingress protection

IP 65 per EN 60529 / IEC 529

Options

- Other process connection (with adapter, Cu-alloy)
- Other electrical connections
- Ingress protection IP 67
- Accuracy class 1.6
- Other cable length

Electronics

Switching output

- NPN
- PNP

Normally closed (NC) or normally open (NO)

1 or 2 switching outputs selectable

Supply voltage (Us)

DC 12 ... 32 V

Electrical connections

Cable outlet, standard length 2 m

Colour	Assignment
red	UB +
black	GND
orange	SP1
brown	SP2

Switching current

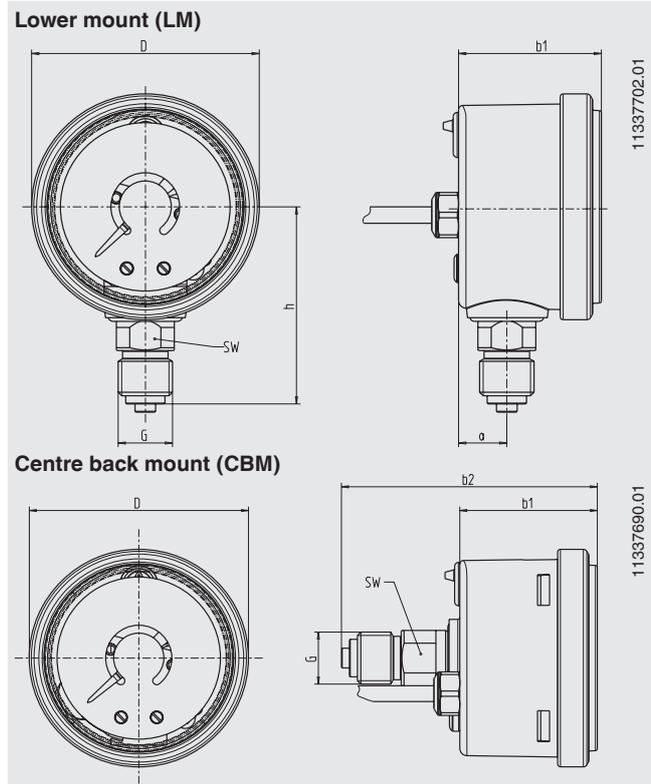
Max. 1 A, short-circuit-proof

Electromagnetic compatibility

Per test standards EN 61000-4-6 / EN 61000-4-3

Dimensions in mm

Standard version



NS	Dimensions in mm							Weight in kg
	a	b ₁	b ₂	D	G	h	SW	
50	12	34	63	55	G 1/4 B	48	14	0.2

Process connection per EN 837-1 / 7.3

Ordering information

Model / Nominal size / Scale range / Connection size / Connection location / Switch point and function (1 or 2) / Options

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