

Bourdon tube pressure gauge with electrical output signal Standard version, plug outlet Model PGT01

WIKA data sheet PV 11.01

intelliGAUGE®

Applications

- For monitoring of water pressure changes in heating plants (wall-type boilers, free-standing boilers)

Special features

- Non-contact sensor (wear-free)
- Nominal size 40
- Scale ranges 0 ... 2.5 bar to 0 ... 10 bar
- Output signal 0.5 ... 4.5 V ratiometric



Bourdon tube pressure gauge model PGT01

Description

Design
EN 837-1

Nominal size in mm
40

Accuracy class
2.5

Scale ranges
0 ... 2.5 to 0 ... 10 bar

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

Plastic (PA),
lower mount (LM) or centre back mount (CBM)
G 1/8 B (male), 14 mm flats

Pressure element
Cu-alloy, C-type

Movement
Cu-alloy

Dial
Plastic, white, black lettering

Pointer
Plastic, black

Case

Plastic, black (PA)

Window

Plastic (PA)

Ingress protection

IP 40 per EN 60529 / IEC 529

Electronics

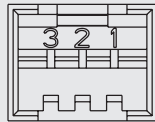
Output signal (275° indication angle)

0.5 ... 2.5 V ratiometric

0.5 ... 3.5 V ratiometric

0.5 ... 4.5 V ratiometric

3SIG+ / 2GND / 1UB+



Supply voltage (Us)

DC 5 V

Electrical connections / Ingress protection

3-pin connector, tyco AMP Duoplug / IP 40

Reverse polarity safety ensured mechanically

Load

> 5 kΩ

Electromagnetic compatibility

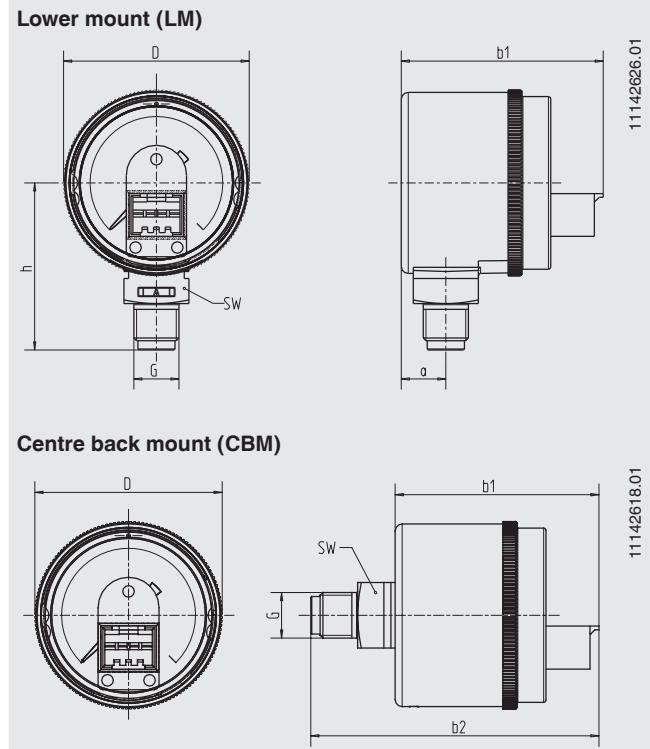
Per test standards EN 61000-4-6 / EN 61000-4-3

Options

- Other process connection
- Other scale ranges

Dimensions in mm

Standard version



NS	Dimensions in mm						Weight in kg
	a	b ₁	b ₂	D	G ₃	SW	
40	9.6	43.5	61.5	40	G 1/8 B	14	0.08

Process connection per EN 837-1 / 7.3

Ordering information

Model / Nominal size / Scale range / Connection size / Connection location / Output signal / Options

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