

# 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

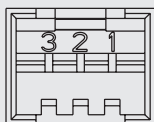
### Output signal (275° indication angle)

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

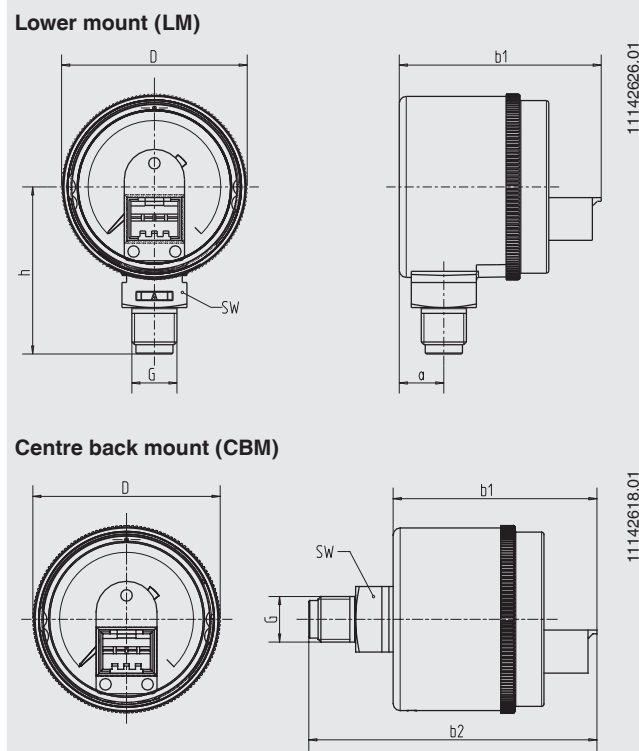
Per test standards EN 61000-4-6 / EN 61000-4-3

## Options

- Other process connection
- Other scale ranges

## Dimensions in mm

### Standard version



NS	Dimensions in mm						Weight in kg
	a	b <sub>1</sub>	b <sub>2</sub>	D	G <sub>3</sub>	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

© 2008 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.  
The specifications given in this document represent the state of engineering at the time of publishing.  
We reserve the right to make modifications to the specifications and materials.



**WIKAL**  
WIKAL Alexander Wiegand SE & Co. KG  
Alexander-Wiegand-Straße 30  
63911 Klingenberg/Germany  
Tel. (+49) 9372/132-0  
Fax (+49) 9372/132-406  
E-mail info@wika.de  
www.wika.de