

# Bourdon tube pressure gauge Model 111.16, back mount Panel mounting series

WIKA data sheet PM 01.10

## Applications

- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Pneumatics
- Heating and air-conditioning technology
- Small-capacity compressors
- Medical engineering

## Special features

- Especially for panel mounting
- Reliable and cost-effective
- Design per EN 837-1
- Nominal size 40, 50 and 63
- Scale ranges up to 0 ... 400 bar



Bourdon tube pressure gauge model 111.16

## Description

### Design

EN 837-1

### Nominal size in mm

40, 50 and 63

### Accuracy class

2.5

### Scale ranges

0 ... 0.6 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

## Standard version

### Process connection

Cu-alloy,

centre back mount (CBM)

NS 40: G 1/8 B (male), 14 mm flats

NS 50, 63: G 1/4 B (male), 14 mm flats

### Pressure element

Cu-alloy

≤ 60 bar: C-type

> 60 bar: Helical type

### Movement

Cu-alloy

### Dial

Plastic, white, with pointer stop pin

Black lettering

### Pointer

Plastic, black

### Case

Plastic, black

with front flange

### Window

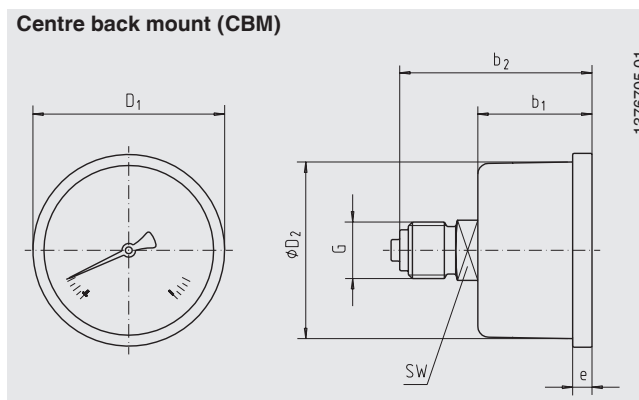
Plastic, crystal-clear, snap-fitted in case

## Options

- Other process connection
  - Accuracy class 1.6
  - Panel mounting flange, steel, black
  - Mounting bracket, steel, galvanised
- both components can be retrofitted by the customer

## Dimensions in mm

### Standard version



NS	Dimensions in mm							Weight in kg
	$b_1 \pm 0.5$	$b_2 \pm 1$	$D_1$	$D_2$	G	SW	e	
40	26.5	44.5	45	40	G 1/8 B	14	4.5	0.06
50	26.5	47.5	54	49.5	G 1/4 B	14	4.5	0.07
63	29.5	47.5	68	63	G 1/4 B	14	5	0.08

Process connection per EN 837-1 / 7.3

## Ordering information

Model / Nominal size / Scale range / Connection size / Options

© 2005 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.