

Bourdon tube pressure gauge Industrial series, NS 250 Models 211.11, 231.11

WIKA data sheet PM 02.17



Applications

- For gaseous and liquid media that are not highly viscous or crystallising
- Model 211.11: Measuring system Cu-alloy
Model 231.11: Measuring system stainless steel, also for aggressive media

Special features

- Large, easy-to-read scale due to nominal size 250
- Long service life, robust
- Scale ranges up to 0 ... 1600 bar



Bourdon tube pressure gauge model 211.11

Description

Design

EN 837-1

Nominal size in mm

250

Accuracy class

1.0

Scale ranges

0 ... 0.6 to 0 ... 1600 bar

or all other equivalent vacuum or combined pressure and vacuum ranges

Pressure limitation

Steady: Full scale value

Fluctuating: 0.9 x full scale value

Short time: 1.3 x full scale value

Permissible temperature

Ambient: -40 ... +60 °C

Medium: +80 °C maximum (model 211.11)

+200 °C maximum (model 231.11)

Temperature effect

When the temperature of the measuring system deviates from the reference temperature (+20 °C):

Max. ±0.4 %/10 K of full scale value

Ingress protection

IP 54 per EN 60529 / IEC 529

Standard version

Process connection

Model 211.11: Cu-alloy

Model 231.11: Stainless steel 316L

Lower mount (LM) or lower back mount (LBM), G ½ B (male),
22 mm flats

Pressure element

Model 211.11:

■ < 100 bar: Cu-alloy

■ ≥ 100 bar: Stainless steel 316L

Model 231.11: Stainless steel 316L

Movement

Cu-alloy, wear parts argantan

Dial

Aluminium, white, black lettering

Pointer

Aluminium, black

Case

Steel, black

Window

Instrument glass

Bezel ring

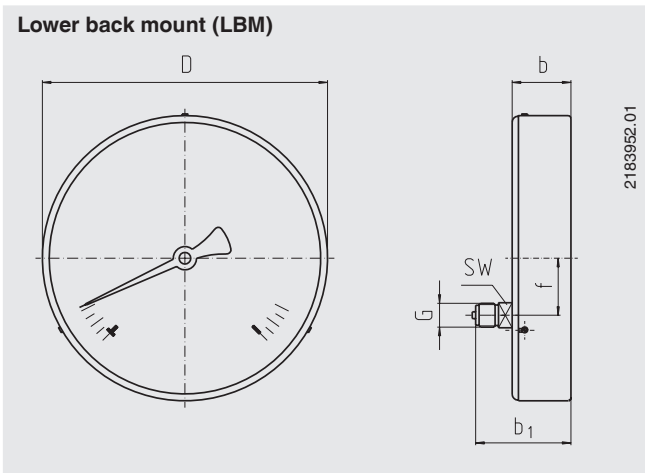
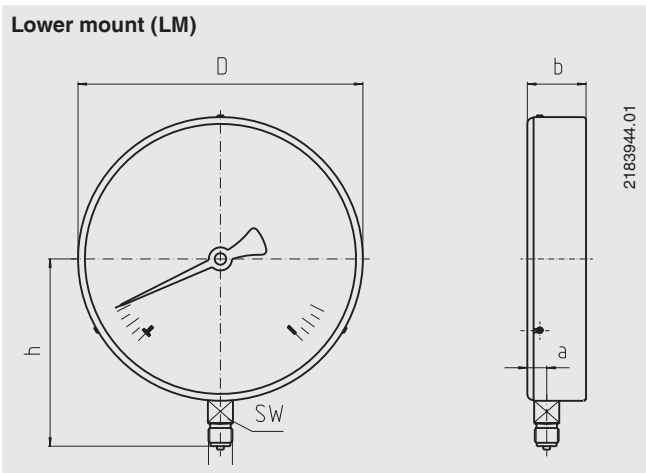
Slip-on bezel, steel, black

Options

- Other process connection
- Window from laminated safety glass or clear non-splintering plastic
- Surface or panel mounting flange, steel, black
- Restrictor in the process connection
- Stainless steel movement
- Adjustable pointer
- Red mark pointer or drag pointer
- Version for oxygen service, oil and grease free

Dimensions in mm

Standard version



| NS | Dimensions in mm | | | | | Weight in kg | | | | |
|-----|------------------|--------------------|--------------------|-----|----|--------------|------|----|-----|--|
| | a | b | b1 | D | f | G | h ±1 | SW | | |
| 250 | 17 | 51.5 ¹⁾ | 83.5 ¹⁾ | 250 | 50 | G ½ B | 165 | 22 | 3.0 | |

Process connection per EN 837-1 / 7.3

1) Plus 13 mm with scale ranges ≥ 100 bar

Ordering information

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

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