

# Capsule pressure gauge

## Model 611.10, standard version

## Model 631.10, stainless steel version

WIKA data sheet PM 06.01



### Applications

- Pressure gauge for use in a protected environment
- Medical, vacuum, environmental, laboratory technology, for contents measurement and filter monitoring
- For gaseous, dry and non-aggressive media
- Model 631.10 also for aggressive media

### Special features

- Zero adjustment in front
- Special connection location on request
- Low scale ranges from 0 ... 25 mbar



Capsule pressure gauge, model 611.10

## Description

### Design

EN 837-3

### Nominal size in mm

50, 63

### Accuracy class

1.6

### Scale ranges

NS 50: 0 ... 60 mbar to 0 ... 600 mbar

NS 63: 0 ... 25 mbar to 0 ... 600 mbar

or all other equivalent vacuum or combined pressure and vacuum ranges

### Pressure limitation

Steady: Full scale value

Fluctuating: 0.9 x full scale value

### Permissible temperature

Ambient: -20 ... +60 °C

Medium: +100 °C maximum

### Temperature effect

When the temperature of the measuring system deviates from the reference temperature (+20 °C):  
max.  $\pm 0.6 \%$  / 10 K of full scale value

### Ingress protection

IP 32 per EN 60529 / IEC 529

## Standard version

### Process connection

Model 611.10: Copper alloy

Model 631.10: Stainless steel

Lower mount (LM) or back mount (BM)

(NS 50: Only back mount)

G ¼ B (male), 14 mm flats

### Pressure element

Model 611.10: Copper alloy

Model 631.10: Stainless steel

### Sealing

NBR

### Movement

Copper alloy

### Zero adjustment

At the front

### Dial

Aluminium, white, black lettering

### Pointer

Aluminium, black

### Case

Steel, black

### Window

Clear non-splintering plastic, domed, snap-fitted in case

## Options (NS 63)

- Other process connection
- Sealings (model 910.17, see data sheet AC 09.08)
- Stainless steel case
- Overpressure and vacuum safety with  
scale ranges < 40 mbar: 3 x full scale value  
scale ranges ≥ 40 mbar: 10 x full scale value
- Slip-on bezel <sup>1)</sup>
- Panel or surface mounting flange <sup>1)</sup>
- Triangular bezel with clamp <sup>1)</sup>

1) also for NS 50

## Approvals

- GOST, metrology/measurement technology, Russia
- GOST-R, import certificate, Russia

## Certificates <sup>1)</sup>

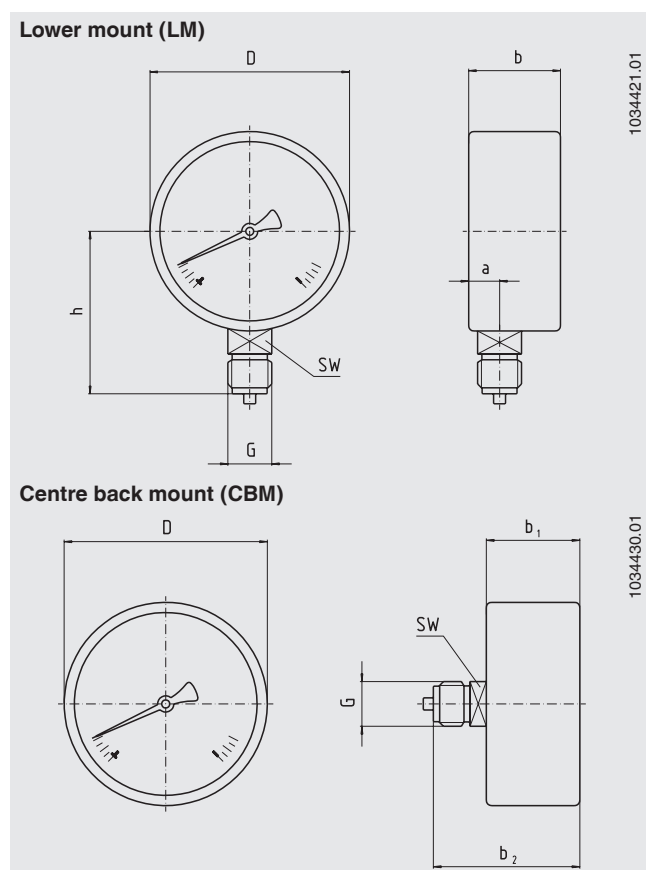
- 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)
- 3.1 inspection certificate per EN 10204 (e.g. material proof for wetted metallic parts, indication accuracy)

1) Option

Approvals and certificates, see website

## Dimensions in mm

### Standard version



NS	Dimensions in mm					G	h ±1	SW	Weight in kg
	a	b	b <sub>1</sub>	b <sub>2</sub>	D				
50	-	-	28	47	50	G ¼ B	-	14	0.09
63	9.5	40	36.5	54.5	63	G ¼ B	51	14	0.20

Process connection per EN 837-3 / 7.3

### Ordering information

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