

## Bourdon tube pressure gauge Industrial series, NS 80 Models 112.28, 132.28

WIKA data sheet PM 01.28

### Applications

- For gaseous and liquid media that are not highly viscous or crystallising
- Model 112.28: Measuring system Cu-alloy  
Model 132.28: Measuring system stainless steel, also for aggressive media
- Hydraulics
- Compressors
- Refrigeration technology

### Special features

- Vibration and shock resistant
- Especially sturdy design
- Stainless steel case
- Scale ranges up to 0 ... 40 bar



**Bourdon tube pressure gauge model 132.28,  
back mount, lettering for refrigeration technology**

## Description

### Design

EN 837-1

### Nominal size in mm

80

### Accuracy class

1.6

### Scale ranges

Model 112.28: 0 ... 0.6 to 0 ... 40 bar

Model 132.28: 0 ... 1 to 0 ... 40 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: +60 °C maximum (model 112.28)

+200 °C maximum (model 132.28)

### 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 112.28: Cu-alloy

Model 132.28: Stainless steel 316L

Lower mount (LM) or centre back mount (CBM),

G 3/8 B (male), 19 mm flats

### Pressure element

Model 112.28: Cu-alloy

Model 132.28: Stainless steel 316L

### Movement

Cu-alloy, wear parts argentan

### Dial

Aluminium, white, black lettering

### Pointer

Aluminium, black

### Case

Stainless steel

### Window

Polycarbonate

### Bezel ring

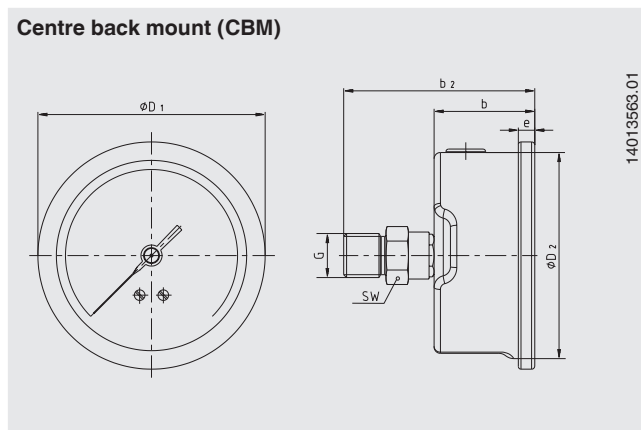
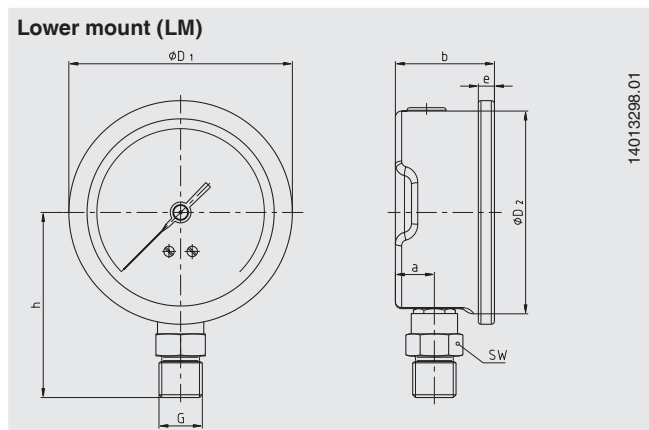
Crimp ring, glossy finish stainless steel

## Options

- Other process connection
- Sealings (model 910.17, see data sheet AC 09.08)
- Liquid filling (glycerine, permissible temperature):
  - Ambient: -20 ... +60 °C
  - Medium: +60 °C maximum (model 113.28)
  - +100 °C maximum (model 133.28)
- Panel frame 88 x 88 mm, stainless steel, black
- Restrictor in the process connection

## Dimensions in mm

### Standard version



NS	Dimensions in mm					Weight in kg				
	a	b $\pm 0.5$	b <sub>2</sub> $\pm 0.5$	D <sub>1</sub>	D <sub>2</sub>	e	G	h $\pm 1$	SW	
80	15	38	72	86	78	7	G 3/8 B	71	19	0.30

## Ordering information

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

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