

# Bourdon Tube Pressure Gauges Square and Edgewise Panel Mounting Series, Class 1.0 Model 214.11

WIKA Data Sheet PM 02.08

## Applications

- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts

## Special Features

- Panel mounting
- Ingress protection IP 42



**Bourdon Tube Pressure Gauge, Square and Edgewise Panel Mounting Series, Model 214.11**

## Description

### Design

DIN 43 700

### Nominal size in mm

144 x 72, 96 x 96, 144 x 144

### Accuracy class

1.0

### Scale ranges

0 ... 0.6 to 0 ... 1000 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

### Operating temperature

Ambient: -20 ... +60 °C

Medium: +60 °C maximum (soft soldered)

+100 °C maximum (brazed)

### Temperature effect

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

max.  $\pm 0.4$  %/10 K of true scale value

## Standard version

### Process connection

Cu-alloy, Lower back mount (LBM)

G ½ B (male)

NS 144 x 72: 17 mm flats

NS 96 x 96, 144 x 144: 22 mm flats

### Pressure element

< 100 bar: Cu-alloy, C-type, soft soldered

≥ 100 bar: Stainless steel 316L, helical or spiral type, brazed

### Movement

Cu-alloy, wear parts argentan

### Dial

Aluminium, white, black lettering

### Pointer

Aluminium, black

### Case / Chassis (DIN 43 700)

NS 144 x 72:

chassis, steel, galvanised

NS 96 x 96, 144 x 144:

case, steel, galvanised

### Window

Instrument glass

### Panel frame (DIN 43 718)

Steel, black, narrow, snap-fit

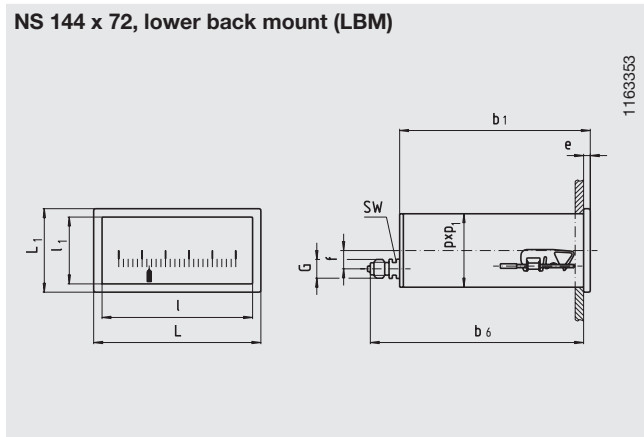
## Options

- Other process connection
- Measuring system stainless steel 316L (model 234.11)
- Duplex measuring system (with NS 144 x 72)
- Duplex measuring system (with NS 96 x 96, 60 bar maximum)
- Wide panel frame
- Alarm contacts (see data sheet AC 08.01)

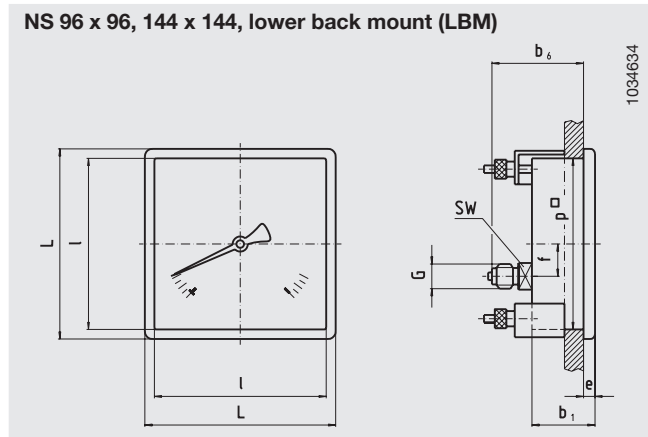
## Dimensions in mm

### Standard version

#### NS 144 x 72, lower back mount (LBM)



#### NS 96 x 96, 144 x 144, lower back mount (LBM)



NS	Dimensions in mm												Weight in kg
	b <sub>1</sub>	b <sub>6</sub>	e	f	G	L	L <sub>1</sub>	l	l <sub>1</sub>	p x p <sub>1</sub>	p <sub>□</sub>	SW	
144 x 72	168	197	8	18	G ½ B	144	72	134	62	138 x 67	-	17	1.50
96 x 96	44	72	6	30	G ½ B	96	-	88	-	-	90	22	0,60
144 x 144	46.5	72	8	30	G ½ B	144	-	134	-	-	136	22	1.25

Process connection per EN 837-1 / 7.3

## Ordering information

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

Modifications may take place and materials specified may be replaced by others without prior notice.

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.



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