

# Bourdon tube pressure gauge HP, stainless steel version Model 130.15

WIKA data sheet PM 02.19

## Applications

- For gaseous and liquid, also aggressive media for demanding high purity applications, also in aggressive ambience
- For all HP (high purity) applications
- Semiconductor and flat panel industry
- Gas distribution systems
- Hook-up application

## Special features

- Helium leak tested
- Electropolished case



Bourdon tube pressure gauge, HP, model 130.15.2"

## Description

### Nominal size

1 1/2", 2"

### Accuracy class

NS 1 1/2": Grade B per ASME B40.1

NS 2": Grade A per ASME B40.1

### Scale ranges

0 ... 1 to 0 ... 700 bar (0 ... 15 to 0 ... 10,000 psi)

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: -40 ... +60 °C

Medium: +100 °C maximum

### Temperature effect

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

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

### Ingress protection

IP 54 per EN 60529 / IEC 529

## Standard version

### Process connection

Stainless steel 316L,  
lower mount (LM) or centre back mount (CBM)  
Male thread ¼ NPT

### Pressure element

Stainless steel 316L  
< 100 bar: C-type  
≥ 100 bar: Helical type  
Leak tightness: Leak rate  $\leq 10^{-9}$  mbar · l / s  
Test method: Helium mass spectrometry

### Movement

Stainless steel

### Dial

Aluminium, white, black lettering, with pointer stop pin

### Pointer

Aluminium, black

### Case

Stainless steel, electropolished

### Window

Polycarbonate  
NS 1 ½": Snap-in window  
NS 2": Screw-fitted on case (twist lock)

### Cleaning

Cleaned for oxygen service per ASME Level IV

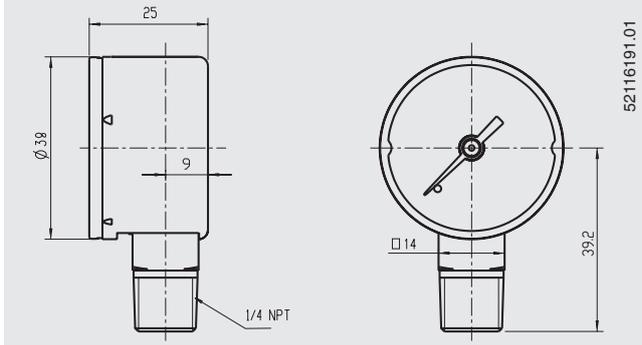
## Options

- Other process connection
- Process connection surface finish  $Ra \leq 0.3 \mu\text{m}$
- Dual scale

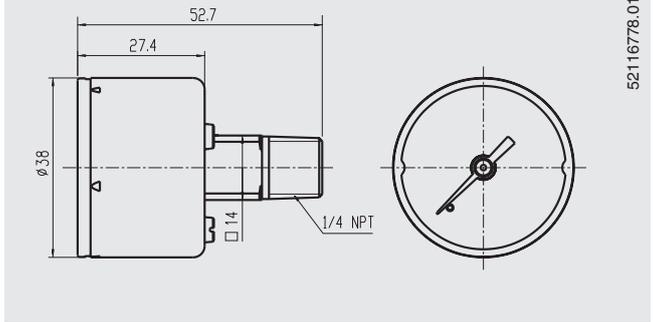
## Dimensions in mm

### Standard version NS 1 1/2"

#### Lower mount (LM)

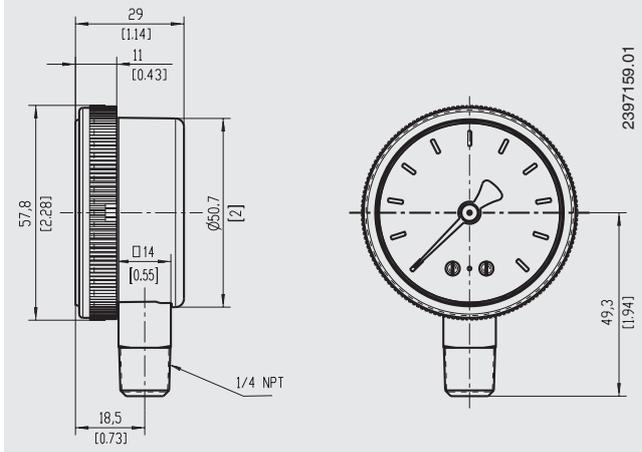


#### Centre back mount (CBM)

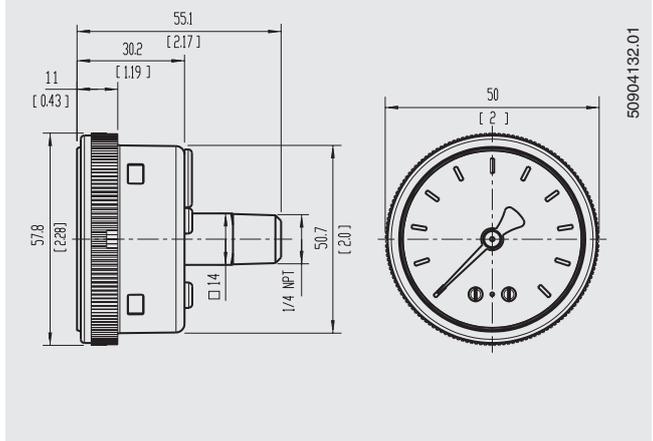


### Standard version NS 2"

#### Lower mount (LM)



#### Centre back mount (CBM)



## Ordering information

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

© 2007 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.

