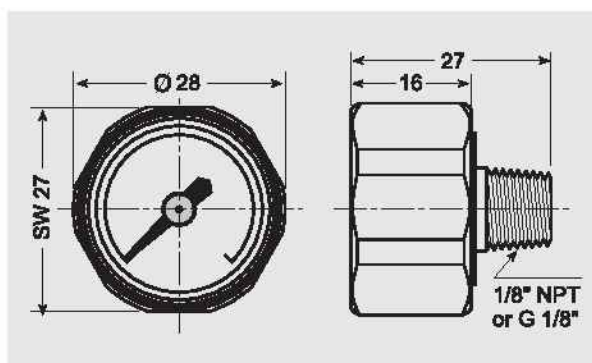


# Mechanical pressure measurement



## Miniature Bourdon tube pressure gauge Back mount, standard version Model 1183



## Applications

- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Indication of cylinder charging pressure
- Respiratory protective equipment, sports weapons, welding engineering (compact equipment)
- Medical engineering

## Special features

- Small and compact
- Ideal for integration solutions
- Nominal size 27
- Scale ranges up to 0 ... 400 bar

## Description

**Nominal size** In mm 27

**Accuracy class** 4.0

### Scale ranges

Low pressure: 0 ... 1 to 0 ... 25 bar

High pressure: 0 ... 100 to 0 ... 400 bar  
or all other equivalent pressure 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: -20 ... +60°C

Medium: +60°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 the span

## Standard version

### Process connection

Copper alloy, centre back mount (CBM)  
1/8" NPT or G 1/8"

**Pressure element** Copper alloy

**Movement** Copper alloy

**Dial** Aluminum, white, with pointer stop pin, black lettering

**Pointer** Aluminum, black

**Case** Copper alloy

**Window** Plastic, crystal-clear, snap-fitted in case

## Option

- Other process connection
- Accuracy class 2.5