

# Bourdon tube pressure gauge Test gauge, safety version, class 0.6 Model 332.11

WIKA data sheet PM 03.04



## Applications

- Mobile precision measurement under special safety
- For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive ambience
- High-accuracy pressure measurement
- Testing of industrial type pressure gauges

## Special features

- Safety pressure gauge with solid baffle wall designed in compliance with operational safety requirements of EN 837-1
- All stainless steel construction
- Knife edge pointer for optimal accuracy of reading
- Wear-resistant precision movement from stainless steel
- Scale ranges up to 0 ... 600 bar

## Description

### Design

EN 837-1

### Nominal size in mm

160

### Accuracy class

0.6

### Scale ranges

0 ... 0.6 to 0 ... 600 bar  
or all other equivalent vacuum or combined pressure and vacuum ranges

### Adjustment medium

≤ 25 bar: Gas  
> 25 bar: Liquid



Test gauge, safety version, model 332.11

Fig. bottom: Test gauge in service case

### 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: +200 °C maximum

### 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

Stainless steel 316L,  
Angled valve with LH-RH union M20 x 1.5

### Pressure element

Stainless steel 316L,  
< 100 bar: C-type  
≥ 100 bar: Helical type

### Movement

Stainless steel

### Dial

Aluminium, white, black lettering

### Pointer

Knife edge pointer, aluminium, black

### Case

Stainless steel, with solid baffle wall (Solidfront) and blow-out back

### Window

Laminated safety glass

### Bezel ring

Cam ring (bayonet type), stainless steel

### Accessories

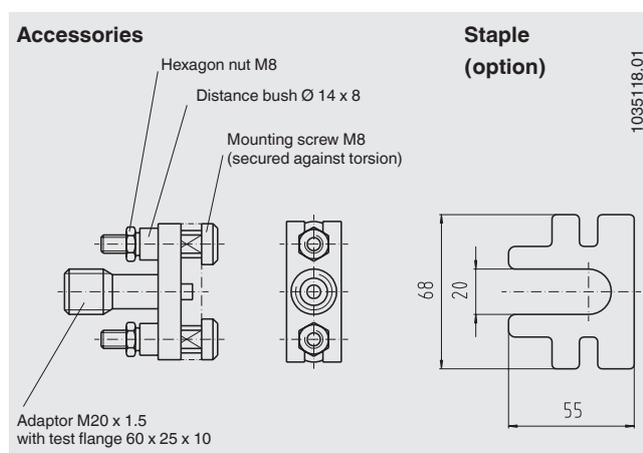
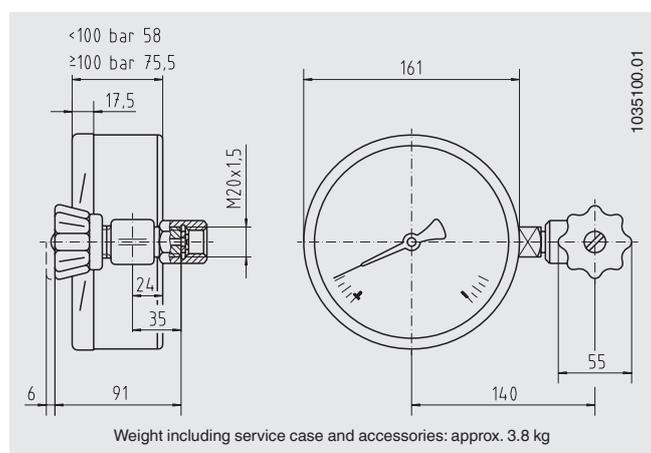
- 1 Service case 270 x 180 x 135
  - 1 LH-RH union M20 x 1.5 DIN 16283
  - 1 Adaptor M20 x 1.5 with test flange 60 x 25 x 10
  - 2 Mounting screws M8
  - 2 Hexagon nuts M8
  - 3 Sealings 16.5 x D17
  - 2 Distance bushes
- Acceptance test certificate, examination certificate, list of single measured values

## Options

- Staple for round flanges
- Adjustment medium by agreement
- Free from oil and grease for oxygen

## Dimensions in mm

### Standard version



## Ordering information

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

© 2011 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.

