

# PRECISION TEST GAUGES WITH BOURDON TUBE IN CARRYING CASE



**Diameter 160**

**Connection position side at 3 o'clock**

**Accuracy class 0,6 according to EN 837-1**



## Description

Our precision test gauges are used to test pressure of tanks, pipes and fittings by official test and surveillance institutions.

The precision test gauges have a high grade measuring element. The pressure proportional elastic deformation of this Bourdon tube is transmitted through a low friction movement to the knife edge pointer. The connection is fitted with a shut-off valve with test connection and quick connection M 20 x 1,5.

The gauges are suitable for measuring of liquid and gaseous media, also this may not be too viscous or be susceptible to crystallization.

The precision test gauges are supplied with several span sleeves and certificate in a carrying case.

## Features

- o Several span sleeves
- o Accuracy class 0,6
- o Overload capacity 1,3-times
- o Test certificate

## Ranges

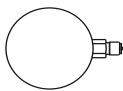
0 ... 0,6 bar to 0 ... 600 bar

## Applications

Pressure test of tanks, pipes and fittings,  
Plant construction,  
Research and development

## Standard supplied accessories

- 1 Field service case 270x180x135 mm,
- 1 Union LH / RH M20x1,5
- 1 Adaptor M20x1,5 male/female  
60x25x10 to fit round test flange
- 2 Sets nuts and bolts M8
- 2 Hexagonal nut M8
- 2 Spacer
- 1 Point-to-point calibration certificate

Type	8701	Optionen
Diameter	160	
Symbol		
Accuracy class	0,6 according to EN 837-1	
Ranges	0 ... 0,6 bar - 0 ... 600 bar negative or positive and positive and negative overpressure	
Application	Constant load: up to end of scale value Alternating load: up to 0,9-fold end of scale value	
Overload capacity	1,3-fold, short time	
Case	Stainless steel 1.4301 with blow-out back; solid front	
Window	Laminated safety glass	
Dial	Al white, scale and printing black	Dual scale
Pointer	Knife edge pointer, Al black	
Movement	Stainless steel	
Measuring element	Stainless steel 1.4571 Bourdon tube up to 100 bar, helical spring > 100 bar	
Pressure connection	Stainless steel 1.4571	
Connection position	side at 3 o'clock	
Thread	Radial entry with pressure gauge valve and LH/RH union M20x1,5	
Medium temperature	Tmin. -20°C, Tmax. 200°C	
Ambient temperature	Tmin. -40°C, Tmax. 60°C	
Temperature drift	0,3%/10K deviation of normal temperature 20°C	
Protection	IP 54 EN 60 529/IEC 529	
Calibration medium	≤25 bar: gas; >40 bar : oil	≥4 bar: oil
Orifice		Ø 0,4, Ø 0,8
Accessories	Carrying case, shut-off valve, certification, several span sleeves	
Approx.weight	3,8 kg	

Please tell the used medium when ordering, because with the change of the pressure transmitting medium gas (G) or liquid (F) display changes can be take place.

### Dimensioned drawing

