



## Bourdon tube pressure gauges for industrial applications RF160I

**Part no. 85361411**

**Bourdon tube pressure gauges for industrial applications type D4**

### benefits

- for machine and plant engineering
- robust, stainless steel housing with bayonet bezel
- can be equipped with electrical contact
- DNV-GL- and GOSSTANDART-certified

### Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys. For high accuracy and rough application conditions.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

### Technical Specifications

**Type**  
D4

**Nominal size**  
160

**accuracy class (EN 837-1/6)**  
1.0

**ranges (EN 837-1/5)**  
see ordering table

**application area**  
 $\leq 600$  bar: Full scale value  
 $> 600$  bar:  $\frac{3}{4}$  x full scale value  
 $\leq 600$  bar: 0.9 x full scale value  
 $> 600$  bar:  $\frac{2}{3}$  x full scale value  
 $\leq 600$  bar: 1.3 x full scale value  
 $> 600$  bar: Full scale value

**Operating temperature range**  
 Medium: max. 60 °C  
 Ambient: -20/+60 °C

**Temperature performance**  
 Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:  
 at rising temperature approx.  $\pm 0.4$  %/10 K  
 falling temperature approx.  $\pm 0.4$  %/10 K  
 of full scale value

**Degree of protection**  
 IP 54 (EN 60529)

### standard version

**Connection**

Brass, bottom back

**Measuring element**

Bourdon tube

≤ 60 bar: "C" type tube, Copper alloy

> 60 bar: helical tube, stainless steel 316 Ti/316 L

**movement**

Brass

**Dial**

Aluminium, white

Scaling: black

**Pointer**

Aluminium, black

**Housing**

Stainless steel 304, with blow-out

**bayonet bezel**

Stainless steel 304

**window**

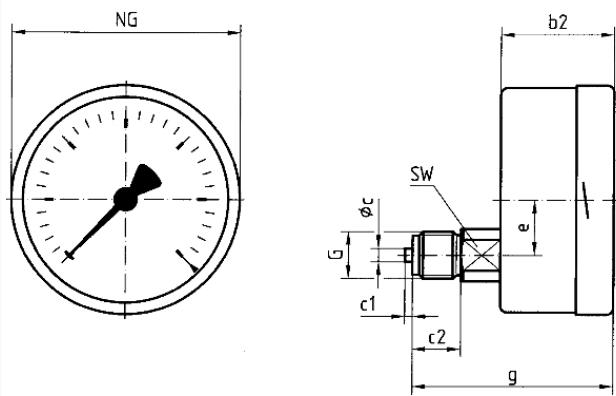
Instrument glass

**Options**

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- laminated safety glass window
- throttle screw
- Reference pointer
- Electrical contacts
- special scales
- other process connections

**Technical Drawings**

**bottom back connection**



**Dimensions (mm)**

| NG  | b2 | Øc | c1 | c2 | e    | G   | g  | SW |
|-----|----|----|----|----|------|-----|----|----|
| 100 | 49 | 6  | 3  | 20 | 26,5 | G½B | 81 | 22 |
| 160 | 50 | 6  | 3  | 20 | 26,5 | G½B | 82 | 22 |
| 250 | -  | 6  | 3  | 20 | -    | G½B | -  | 22 |

Versions

| Range     | Mounting type | Type           |                                                                                     | Part number |
|-----------|---------------|----------------|-------------------------------------------------------------------------------------|-------------|
| 0/1.6 bar | direct        | RF160I<br>D411 |  | 85361411    |

-  in-stock items
-  Non-stock items