



## Precision Bourdon tube pressure gauges RF160F

Part no. 85716401

Precision Bourdon tube pressure gauge type D4

### benefits

- high accuracy (class 0.6)
- housing can be sealed
- Serial number on dial
- suitable as measuring equipment as per QA requirements
- DNV- and GOSSTANDART-certified

### Application

For gaseous and liquid media which are not corrosive and not highly viscous and which do not crystallise. For high measuring accuracy. ! 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)

0.6

#### ranges

see ordering table

#### Calibration medium

≤ 40 bar

Air

#### application area

static load: Full scale value

dynamic load: 0.9 x 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. ± 0.4 %/10 K

falling temperature approx. ± 0.4 %/10 K

of full scale value

#### Degree of protection

IP 54 (EN 60529)

### standard version

**Connection**

Brass, bottom

**Measuring element**

Bourdon tube

≤ 60 bar: "C" type tube, Copper alloy

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

**movement**

Brass/nickel silver, jewel bearing

**Dial**

Aluminium, white

Scaling: black

NG 160

**Pointer**

knife edge pointer

Aluminium, black

**Housing**

Stainless steel 304

**bayonet bezel**

Stainless steel 304

**window**

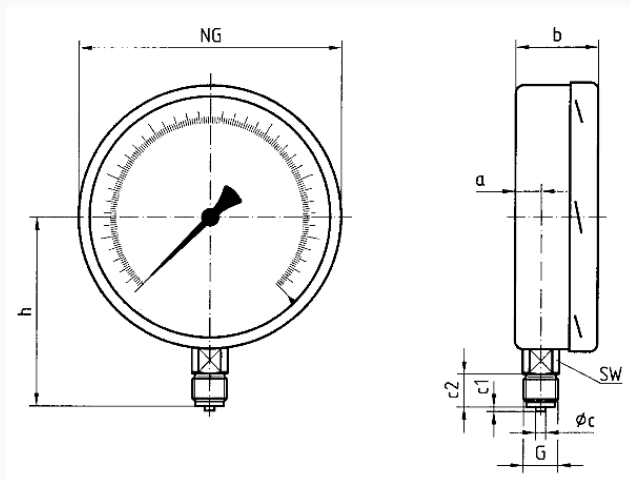
Plastic (PMMA)

**Options**

- factory test certificates
- Glycerine filling (type D 8) > 2.5 bar
- wetted parts stainless steel (type D 4x2)
- laminated safety glass window
- back flange
- 3-hole fixing, panel mounting bezel
- throttle screw
- special scales
- other process connections

**Technical Drawings**

**Bottom connection**



**Dimensions (mm)**

| NG  | a    | b  | Øc | c1 | c2 | G   | h   | SW |
|-----|------|----|----|----|----|-----|-----|----|
| 160 | 17,5 | 50 | 6  | 3  | 20 | G½B | 116 | 22 |
| 250 | 16   | 57 | 6  | 3  | 20 | G½B | 165 | 22 |

Versions

| Range    | Mounting type | Type           |             | Part number |
|----------|---------------|----------------|-------------|-------------|
| 0/16 bar | direct        | RF160F<br>D401 | <div></div> | 85716401    |

- in-stock items
- Non-stock items