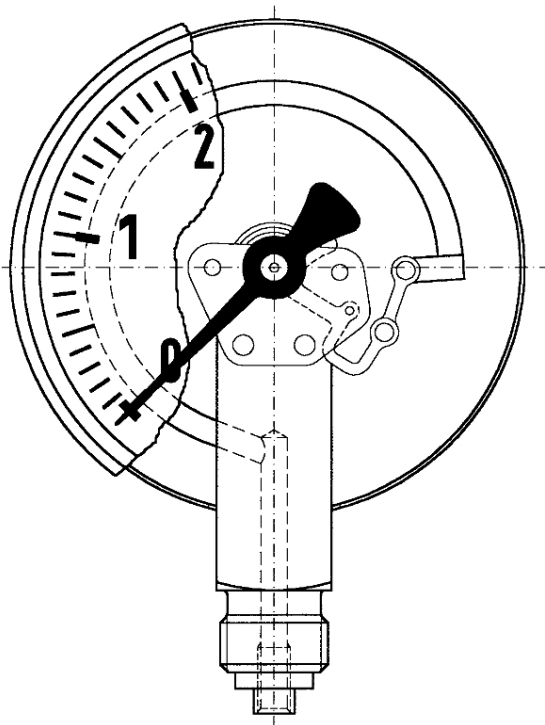




## Precision Bourdon tube pressure gauges RF160F

Part no. 85718431

Precision Bourdon tube pressure gauge type D4

### 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 back

#### 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

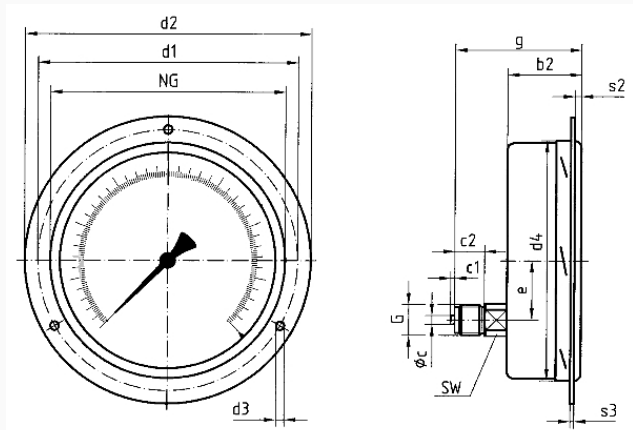
Plastic (PMMA)

### Options

- factory test certificates
- Glycerine filling (type D 8)
- 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

**NG 160 – bottom back connection, 3-hole fixing, panel mounting bezel**



#### Dimensions (mm)

| NG  | b2 | Øc | c1 | c2 | d1* | d2  | d3* | d4  | e    | G   | g  | s2 | s3 | SW |
|-----|----|----|----|----|-----|-----|-----|-----|------|-----|----|----|----|----|
| 160 | 50 | 6  | 3  | 20 | 178 | 196 | 5,8 | 164 | 44,5 | G½B | 82 | 4  | 2  | 22 |

\* Dimensions as per DIN 16070

Versions

| Range    | Mounting type                       | Type        | Part number |
|----------|-------------------------------------|-------------|-------------|
| 0/40 bar | 3-hole fixing, panel mounting bezel | RF160F D431 | 85718431    |

- in-stock items
- Non-stock items