



## Glycerine filled Bourdon tube pressure gauges RF160Gly

Part no. 85252811

Glycerine filled Bourdon tube pressure gauge type D8

### benefits

- compact design
- can be used in case of heavy vibrations and high, dynamic pressure loads
- longer service life due to less wear and corrosion protection of the measuring system
- No steaming up of the inside of the window in case of outdoor applications

### Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys. For measurements in areas with high vibration levels and high, dynamic pressure loads.

### Technical Specifications

#### Type

D8

#### Nominal size

160

#### accuracy class (EN 837-1/6)

1.0

#### ranges (EN 837-1/5)

see ordering table

#### application area

≤ 600 bar: Full scale value  
 > 600 bar:  $\frac{3}{4}$  x full scale value  
 ≤ 600 bar: 0.9 x full scale value  
 > 600 bar:  $\frac{2}{3}$  x full scale value  
 ≤ 600 bar: 1.3 x full scale value  
 > 600 bar: Full scale value

#### Operating temperature range

Medium: max. 60 °C  
 Ambient: -20/+60 °C

#### Degree of protection

IP 54 (EN 60529) with housing vent (≤ 25 bar)

### 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

**filling liquid**

glycerine (99.5 %)

**Options**

- back flange
- 3-hole fixing, panel mounting bezel
- 3-hole fixing, panel mounting bezel (NG 63)
- 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 |

**Versions**

| Range       | Mounting type | Type             | Part number |
|-------------|---------------|------------------|-------------|
| -1/+0.6 bar | direct        | RF160Gly<br>D811 | 85252811    |

- in-stock items
- Non-stock items