



## Glycerine filled Bourdon tube pressure gauges RF100Gly

Part no. 85210831

Glycerine filled Bourdon tube pressure gauges 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**  
100

**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: ¾ x full scale value  
 ≤ 600 bar: 0.9 x full scale value  
 > 600 bar: ¾ 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)

### 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, 3-hole fixing, panel mounting bezel**



**Dimensions (mm)**

| NG  | b2 | ∅c | c1 | c2 | d1* | d2  | d3* | d4  | e    | G   | g  | s2 | s3 | SW |
|-----|----|----|----|----|-----|-----|-----|-----|------|-----|----|----|----|----|
| 100 | 49 | 6  | 3  | 20 | 116 | 132 | 4,8 | 104 | 26,5 | G½B | 81 | 4  | 2  | 22 |
| 160 | 50 | 6  | 3  | 20 | 178 | 196 | 5,8 | 164 | 26,5 | G½B | 82 | 4  | 2  | 22 |

\* Dimensions as per DIN 16064

**Versions**

| Range   | Mounting type                       | Type             | Part number |
|---------|-------------------------------------|------------------|-------------|
| 0/1 bar | 3-hole fixing, panel mounting bezel | RF100Gly<br>D831 | 85210831    |

- in-stock items
- Non-stock items