



## Glycerine filled Bourdon tube pressure gauges RF50Gly

Part no. 85052751

Glycerine filled Bourdon tube pressure gauge type D7

### benefits

- robust stainless steel housing
- 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

D7

#### Nominal size

50

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

1.6

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

see ordering table

#### standard version

#### Connection

Brass, centre back

#### Measuring element

Bourdon tube

≤ 60 bar: "C" type tube

> 60 bar: helical tube

#### movement

Brass

#### application area

static load:  $\frac{3}{4}$  x full scale value

dynamic load:  $\frac{2}{3}$  x full scale value

short-term: 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)

#### Dial

Aluminium, white

Scaling: black

RF50Gly

#### Pointer

Aluminium, black

#### Housing

Stainless steel 304, with blow-out

#### crimped bezel

Stainless steel 304

**window**  
Plastic

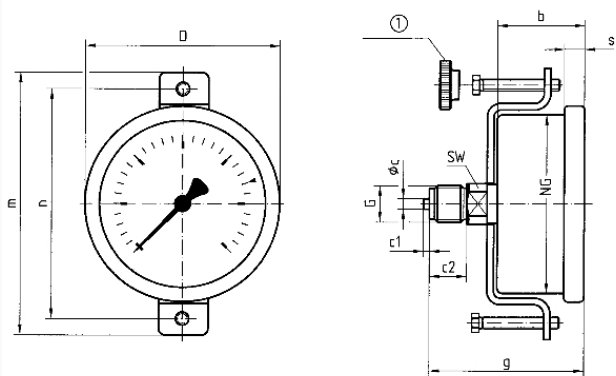
**filling liquid**  
glycerine (99.5 %)

### Options

- Filling liquid silicone oil
- Back flange (NG 63/80/100)
- clamp fixing
- 3-hole fixing, panel mounting bezel
- crimped bezel polished
- measuring system stainless steel (up to 1,000 bar, NG 80/100)
- special scales
- Clip reference pointer, red, adjustable (NG 63)
- throttle screw
- other process connections

### Technical Drawings

**NG 50/63 – centre back connection, with clamp fixing**



**Dimensions (mm)**

| NG | b    | Øc | c1 | c2 | D  | G                 | g    | m  | n  | s   | SW |
|----|------|----|----|----|----|-------------------|------|----|----|-----|----|
| 50 | 28   | 5  | 2  | 13 | 53 | G $\frac{1}{4}$ B | 51   | 82 | 73 | 4,5 | 14 |
| 63 | 30,5 | 5  | 2  | 13 | 68 | G $\frac{1}{4}$ B | 53,3 | 94 | 82 | 7   | 14 |

### Versions

| Range       | Mounting type | Type            | Part number |
|-------------|---------------|-----------------|-------------|
| -1/+0.6 bar | clamp fixing  | RF50Gly<br>D751 | 85052751    |

- in-stock items
- Non-stock items