



## Glycerine filled Bourdon tube pressure gauges RF100Gly

Part no. 85215731

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

100

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

1.6

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

see ordering table

#### standard version

#### Connection

Brass, centre back

#### application area

static load:  $\frac{1}{4}$  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 ( $\leq 25$  bar)

#### Measuring element

Bourdon tube

$\leq 60$  bar: "C" type tube

$> 60$  bar: helical tube

**movement**  
Brass

**Dial**  
Aluminium, white  
Scaling: black  
RF100Gly

**Pointer**  
Aluminium, black

**Housing**  
Stainless steel 304, with blow-out

**crimped bezel**  
Stainless steel 304

**window**  
Plastic

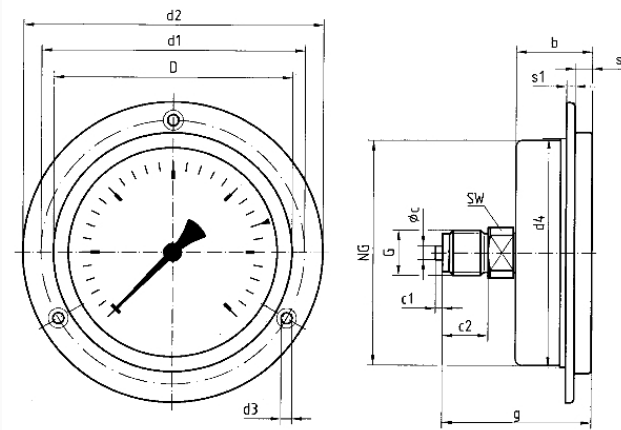
**filling liquid**  
glycerine (99.5 %)

## 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 100 – centre back connection, 3-hole fixing, panel mounting bezel**



### Dimensions (mm)

| NG  | b    | Øc | c1 | c2 | d1* | d2  | d3* | d4  | D   | g    | G   | s | s1  | SW |
|-----|------|----|----|----|-----|-----|-----|-----|-----|------|-----|---|-----|----|
| 100 | 33,5 | 6  | 3  | 20 | 116 | 132 | 4,8 | 101 | 106 | 65,5 | G½B | 7 | 3,8 | 22 |
| Ms  |      |    |    |    |     |     |     |     |     |      |     |   |     |    |
| 100 | 33,5 | 6  | 3  | 20 | 116 | 132 | 4,8 | 101 | 106 | 76,5 | G½B | 7 | 3,8 | 22 |
| VA  |      |    |    |    |     |     |     |     |     |      |     |   |     |    |

\* Dimensions as per DIN 16064

Versions

| Range    | Mounting type                       | Type          | Part number |
|----------|-------------------------------------|---------------|-------------|
| 0/10 bar | 3-hole fixing, panel mounting bezel | RF100Gly D731 | 85215731    |

- in-stock items
- Non-stock items