



Glycerine filled Bourdon tube pressure gauges RF80Gly

Part no. 85165701

Glycerine filled Bourdon tube pressure gauges 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

80

accuracy class (EN 837-1/6)

1.6

ranges (EN 837-1/5)

see ordering table

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)

Connection

Brass, bottom

Measuring element

Bourdon tube
 ≤ 60 bar: "C" type tube
 > 60 bar: helical tube

movement

Brass

Dial

Aluminium, white
Scaling: black
RF80Gly

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

window

Plastic

crimped bezel

Stainless steel 304

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 80/100 – bottom connection



Dimensions (mm)

| NG | a | b | ∅c | c1 | c2 | D | G | h | s | SW |
|--------|------|------|----|----|----|-----|-----|------|---|----|
| 80 | 12,2 | 33,5 | 6 | 3 | 20 | 85 | G½B | 71 | 7 | 22 |
| Ms | | | | | | | | | | |
| 80 VA | 12,2 | 33,5 | 6 | 3 | 20 | 85 | G½B | 79,5 | 7 | 22 |
| 100 | 12,2 | 33,5 | 6 | 3 | 20 | 106 | G½B | 81 | 7 | 22 |
| Ms | | | | | | | | | | |
| 100 VA | 11,8 | 33,5 | 6 | 3 | 20 | 106 | G½B | 90 | 7 | 22 |

Versions

| Range | Mounting type | Type | Part number |
|----------|---------------|-----------------|-------------|
| 0/10 bar | direct | RF80Gly D701 | 85165701 |

- in-stock items
- Non-stock items