



## Glycerine filled Bourdon tube pressure gauges RF80Gly

Part no. 85164701

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:  $\frac{3}{5}$  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)

Connection  
Brass, bottom

Measuring element  
Bourdon tube  
 $\leq 60$  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

**crimped bezel**

Stainless steel 304

**window**

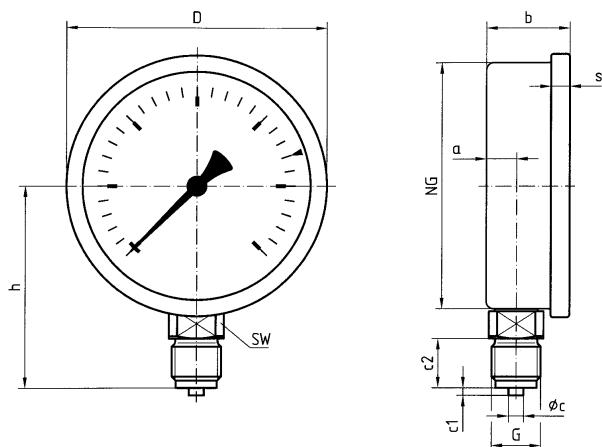
Plastic

**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 80/100 – bottom connection**

**Dimensions (mm)**

| NG    | a    | b    | φc | c1 | c2 | D   | G       | h    | s | SW |
|-------|------|------|----|----|----|-----|---------|------|---|----|
| 80    | 12,2 | 33,5 | 6  | 3  | 20 | 85  | G 1/2 B | 71   | 7 | 22 |
| Ms    |      |      |    |    |    |     |         |      |   |    |
| 80 VA | 12,2 | 33,5 | 6  | 3  | 20 | 85  | G 1/2 B | 79,5 | 7 | 22 |
| 100   | 12,2 | 33,5 | 6  | 3  | 20 | 106 | G 1/2 B | 81   | 7 | 22 |
| Ms    |      |      |    |    |    |     |         |      |   |    |
| 100   | 11,8 | 33,5 | 6  | 3  | 20 | 106 | G 1/2 B | 90   | 7 | 22 |
| VA    |      |      |    |    |    |     |         |      |   |    |

## Versions

| Range   | Mounting type | Type            | Part number |
|---------|---------------|-----------------|-------------|
| 0/6 bar | direct        | RF80Gly<br>D701 | 85164701    |

 in-stock items

 Non-stock items