# Glycerine filled Bourdon tube pressure gauges RF100Gly

## Part no. 85205811

## Glycerine filled Bourdon tube pressure gauge 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: ⅔ 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)

### standard version

**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

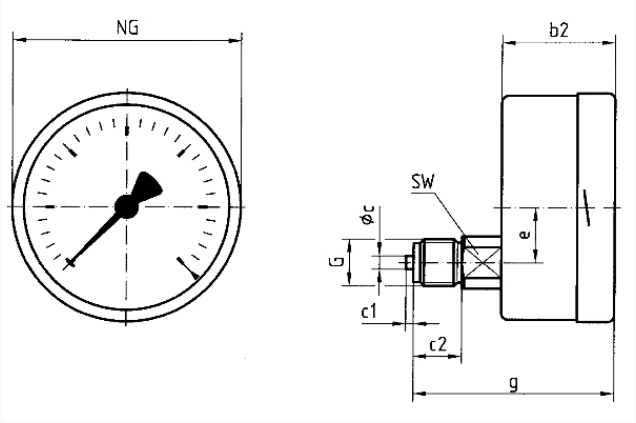
**filling liquid**
glycerine (99.5 %)

## 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**




**Dimensions (mm)**

| NG | b2 | ∅c | c1 | c2 | e | G | g | SW |
|---|---|---|---|---|---|---|---|---|
| 100 | 49 | 6 | 3 | 20 | 26,5 | G½B | 81 | 22 |
| 160 | 50 | 6 | 3 | 20 | 26,5 | G½B | 82 | 22 |

## Versions

| Range | Mounting type | Type | | Part number |
|---|---|---|---|---|
| -1/+5 bar | direct | RF100Gly D811 | ● | 85205811 |

● in-stock items

○ Non-stock items