

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

160

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: $\frac{1}{4}$ x full scale value
 ≤ 600 bar: 0.9 x full scale value
 > 600 bar: $\frac{2}{3}$ 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

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

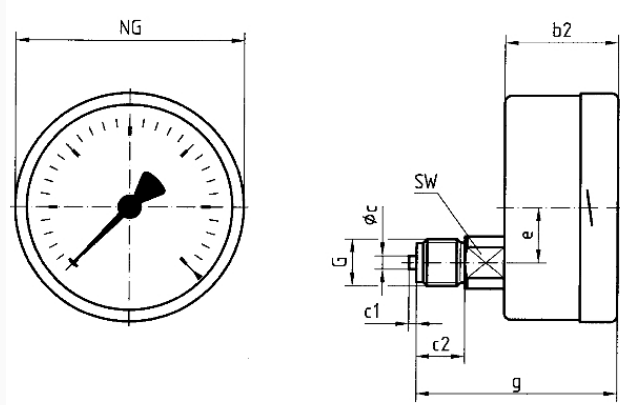
glycerine (99.5 %)

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	Øc	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/+0 bar	direct	RF160Gly D811	●	85251811
-1/+0.6 bar	direct	RF160Gly D811	●	85252811
-1/+1.5 bar	direct	RF160Gly D811	●	85253811
-1/+3 bar	direct	RF160Gly D811	●	85254811
-1/+5 bar	direct	RF160Gly D811	●	85255811
-1/+9 bar	direct	RF160Gly D811	●	85256811
-1/+15 bar	direct	RF160Gly D811	●	85257811
0/0.6 bar	direct	RF160Gly D811	●	85259811
0/1 bar	direct	RF160Gly D811	●	85260811
0/1.6 bar	direct	RF160Gly D811	●	85261811
0/2.5 bar	direct	RF160Gly D811	●	85262811
0/4 bar	direct	RF160Gly D811	●	85263811
0/6 bar	direct	RF160Gly D811	●	85264811
0/10 bar	direct	RF160Gly D811	●	85265811
0/16 bar	direct	RF160Gly D811	●	85266811
0/25 bar	direct	RF160Gly D811	●	85267811
0/40 bar	direct	RF160Gly D811	●	85268811
0/60 bar	direct	RF160Gly D811	●	85269811

0/100 bar	direct	RF160Gly D811	●	85270811
0/160 bar	direct	RF160Gly D811	●	85271811
0/250 bar	direct	RF160Gly D811	●	85272811
0/400 bar	direct	RF160Gly D811	●	85273811
0/600 bar	direct	RF160Gly D811	●	85274811
0/1000 bar	direct	RF160Gly D811	●	85275811

● in-stock items

● Non-stock items