Glycerine filled Bourdon tube pressure gauge type D8

housing ⌀ (nominal size)	100 mm
Connection	G½B
alignment	bottom back
accuracy class	1.0
standard	EN 837-1

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

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

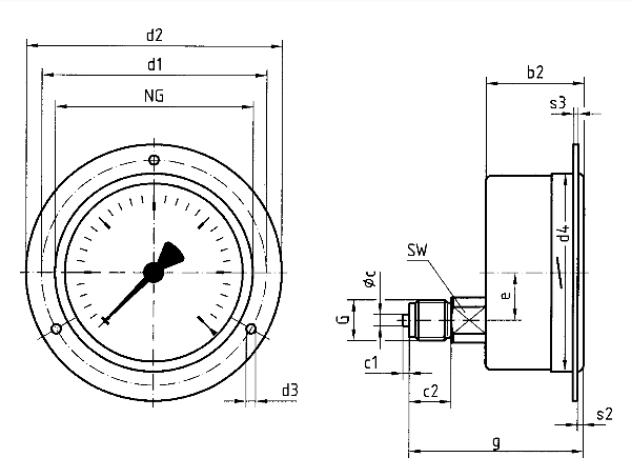
filling liquid
glycerine (99.5 %)

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, 3-hole fixing, panel mounting bezel



Dimensions (mm)

NG	b2	∅c	c1	c2	d1*	d2	d3*	d4	e	G	g	*s2*	s3	SW
100	49	6	3	20	116	132	4,8	104	26,5	G½B	81	4	2	22
160	50	6	3	20	178	196	5,8	164	26,5	G½B	82	4	2	22

* Dimensions as per DIN 16064

Versions

Range	Mounting type	Type	Part number
-1/+0 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85201831
-1/+0.6 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85202831
-1/+1.5 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85203831
-1/+3 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85204831
-1/+5 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85205831
-1/+9 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85206831
-1/+15 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85207831
0/0.6 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85209831
0/1 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85210831
0/1.6 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85211831
0/2.5 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85212831
0/4 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85213831
0/6 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85214831
0/10 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85215831
0/16 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85216831
0/25 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85217831
0/40 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85218831
0/60 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85219831
0/100 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85220831
0/160 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85221831
0/250 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85222831
0/400 bar	3-hole fixing, panel mounting bezel	RF100Gly D831	85223831