



Bourdon tube safety pressure gauge type D8 with glycerine filling

benefits

- Safety housing S3 as per EN 837-1/9.7.2
- measuring system fully welded to housing
- tightness-tested with helium
- DNV- and GOSSTANDART-certified
- Ex version (optional)

Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise; suitable for corrosive environments. This gauge is designed for applications as per EN 837-1/9.7.2.

Technical Specifications

Type

D8

Nominal size

100

accuracy class

EN 837-1/6

NG 100

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. 100 °C

Ambient: -20/+60 °C

Degree of protection

IP 54 (EN 60529)

Connection

Stainless steel 316 L, bottom

Measuring element

Bourdon tube, Stainless steel 316 L
tightness-tested with helium

movement

Stainless steel

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

Stainless steel 304, with solid baffle wall and blow-out (S3)

bayonet bezel

Stainless steel 304

window

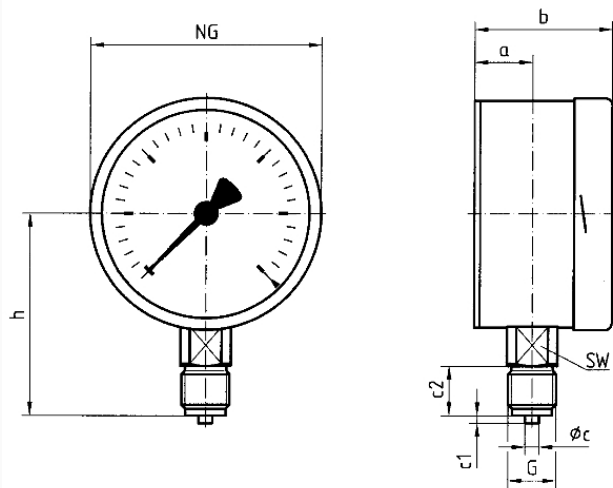
Laminated safety glass

filling liquid

glycerine (99.5 %)

Technical Drawings

NG 100/160 – bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	SW
100	27	60	6	3	20	G½B	86	22
160	40	78	6	3	20	G½B	118	22

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF100SiGly D802	●	85451802
-1/+0.6 bar	direct	RF100SiGly D802	●	85452802
-1/+1.5 bar	direct	RF100SiGly D802	●	85453802
-1/+3 bar	direct	RF100SiGly D802	●	85454802
-1/+5 bar	direct	RF100SiGly D802	●	85455802
-1/+9 bar	direct	RF100SiGly D802	●	85456802
-1/+15 bar	direct	RF100SiGly D802	●	85457802
0/0.6 bar	direct	RF100SiGly D802	●	85459802
0/1 bar	direct	RF100SiGly D802	●	85460802
0/1.6 bar	direct	RF100SiGly D802	●	85461802
0/2.5 bar	direct	RF100SiGly D802	●	85462802
0/4 bar	direct	RF100SiGly D802	●	85463802
0/6 bar	direct	RF100SiGly D802	●	85464802
0/10 bar	direct	RF100SiGly D802	●	85465802
0/16 bar	direct	RF100SiGly D802	●	85466802
0/25 bar	direct	RF100SiGly D802	●	85467802
0/40 bar	direct	RF100SiGly D802	●	85468802
0/60 bar	direct	RF100SiGly D802	●	85469802

0/100 bar	direct	RF100SiGly D802	●	85470802
0/160 bar	direct	RF100SiGly D802	●	85471802
0/250 bar	direct	RF100SiGly D802	●	85472802
0/400 bar	direct	RF100SiGly D802	●	85473802
0/600 bar	direct	RF100SiGly D802	●	85474802
0/1000 bar	direct	RF100SiGly D802	●	85475802

● in-stock items

● Non-stock items