

Bourdon tube safety pressure gauge type D4



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

D4

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: ¼ 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. 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 Ti/316 L
 ≤ 60 bar: "C" type tube
 > 60 bar: helical tube
 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

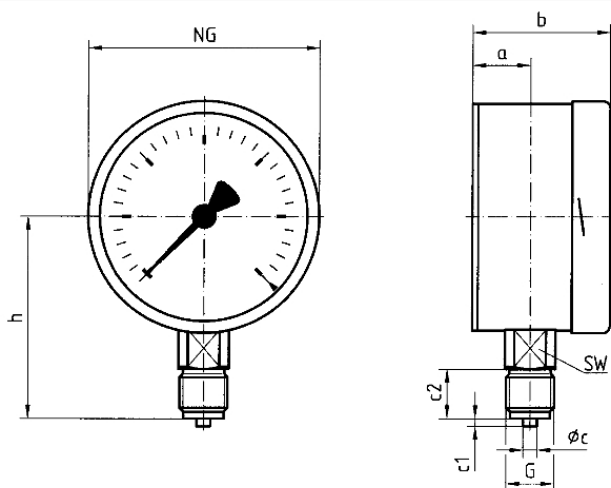
Laminated safety glass

Options

- Glycerine filling (bottom version type D8)
- 3-hole fixing, panel mounting bezel
- Ex version
- special scales
- other process connections

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	RF100Si D402	●	85451402
-1/+0.6 bar	direct	RF100Si D402	●	85452402
-1/+1.5 bar	direct	RF100Si D402	●	85453402
-1/+3 bar	direct	RF100Si D402	●	85454402
-1/+5 bar	direct	RF100Si D402	●	85455402
-1/+9 bar	direct	RF100Si D402	●	85456402
-1/+15 bar	direct	RF100Si D402	●	85457402
0/0.6 bar	direct	RF100Si D402	●	85459402
0/1 bar	direct	RF100Si D402	●	85460402
0/1.6 bar	direct	RF100Si D402	●	85461402
0/2.5 bar	direct	RF100Si D402	●	85462402
0/4 bar	direct	RF100Si D402	●	85463402
0/6 bar	direct	RF100Si D402	●	85464402
0/10 bar	direct	RF100Si D402	●	85465402
0/16 bar	direct	RF100Si D402	●	85466402
0/25 bar	direct	RF100Si D402	●	85467402
0/40 bar	direct	RF100Si D402	●	85468402
0/60 bar	direct	RF100Si D402	●	85469402

0/100 bar	direct	RF100Si D402	●	85470402
0/160 bar	direct	RF100Si D402	●	85471402
0/250 bar	direct	RF100Si D402	●	85472402
0/400 bar	direct	RF100Si D402	●	85473402
0/600 bar	direct	RF100Si D402	●	85474402
0/1000 bar	direct	RF100Si D402	●	85475402

● in-stock items

● Non-stock items