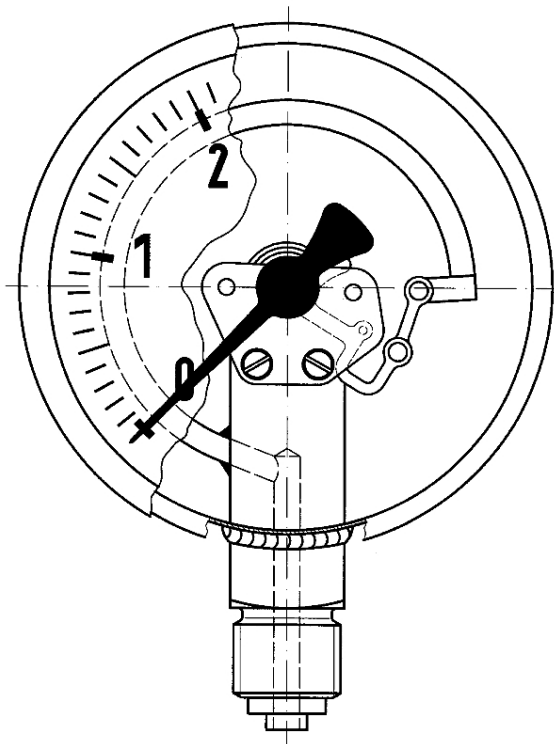




Bourdon tube pressure gauge for chemical applications type D4

benefits

- for chemical and process engineering applications
- measuring system fully welded to housing
- extremely robust design
- for temperatures of the medium of up to 200 °C
- 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.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2"!

Technical Specifications

Type

D4

Nominal size

100

accuracy class (EN 837-1/6)

1.0

ranges (EN 837-1/5)

see ordering table

Application area NG100/160

≤ 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. 200 °C

Ambient: -20/+60 °C

Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:
at rising temperature approx. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

Connection

Stainless steel 316 L, bottom back

G½B, SW22 (EN 837-1/7.3)

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 blow-out

bayonet bezel

Stainless steel 304

window

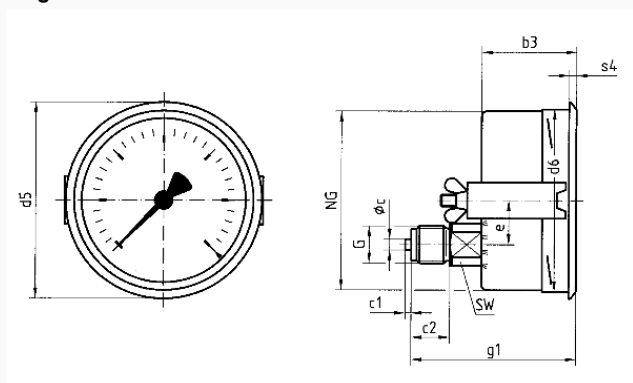
Laminated safety glass

Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Ex version
- Crimped bezel, polished
- Electrical contacts
- special scales
- other process connections

Technical Drawings

bottom back connection, panel mounting bezel with clamp fixing



Dimensions (mm)

NG	b3	Øc	c1	c2	d5	d6	e	G	g1	s4	SW
100	49	6	3	20	107	101	34,5	G½B	83	4	22
160	52	6	3	20	167	161	34,5	G½B	86	4,5	22

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85201452
-1/+0.6 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85202452
-1/+1.5 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85203452
-1/+3 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85204452
-1/+5 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85205452
-1/+9 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85206452
-1/+15 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85207452
0/0.6 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85209452
0/1 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85210452
0/1.6 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85211452
0/2.5 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85212452
0/4 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85213452
0/6 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85214452
0/10 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85215452
0/16 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85216452
0/25 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85217452
0/40 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85218452
0/60 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85219452

0/100 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85220452
0/160 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85221452
0/250 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85222452
0/400 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85223452
0/600 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85224452
0/1000 bar	Panel mounting bezel, with clamp fixing	RF100Ch D452	●	85225452

● in-stock items

● Non-stock items