



Bourdon tube pressure gauges for industrial applications type D4

housing $\varnothing$ (nominal size)	100 mm
Connection	G $\frac{1}{2}$ B
alignment	bottom back
accuracy class	1.0
standard	EN 837-1

benefits

- for machine and plant engineering
- robust, stainless steel housing with bayonet bezel
- can be equipped with electrical contact
- DNV-GL- and GOSSTANDART-certified

Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys. For high accuracy and rough application conditions.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

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

- ≤ 600 bar: Full scale value
- > 600 bar: $\frac{3}{4}$ 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

Temperature performance

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

Degree of protection

IP 54 (EN 60529)

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

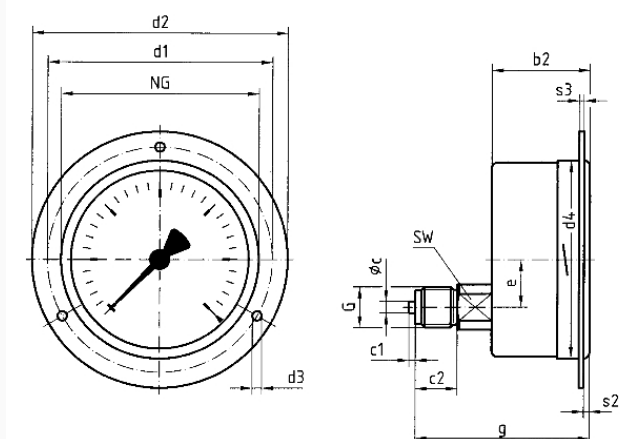
Instrument glass

Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- laminated safety glass window
- throttle screw
- Reference pointer
- Electrical contacts
- special scales
- other process connections

Technical Drawings

bottom back connection, 3-hole fixing, panel mounting bezel



Dimensions (mm)

NG	b2	Øc	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
250	-	6	3	20	270	285	5,8	-	-	G½B	-	-	-	22

* Dimensions for NG 100 according to DIN 16064

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85301431
-1/+0.6 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85302431
-1/+1.5 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85303431
-1/+3 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85304431
-1/+5 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85305431
-1/+9 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85306431
-1/+15 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85307431
0/0.6 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85309431
0/1 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85310431
0/1.6 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85311431
0/2.5 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85312431
0/4 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85313431
0/6 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85314431
0/10 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85315431
0/16 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85316431
0/25 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85317431
0/40 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85318431
0/60 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85319431

0/100 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85320431
0/160 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85321431
0/250 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85322431
0/400 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85323431
0/600 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85324431
0/1000 bar	3-hole fixing, panel mounting bezel	RF100I D431	●	85325431

● in-stock items

● Non-stock items