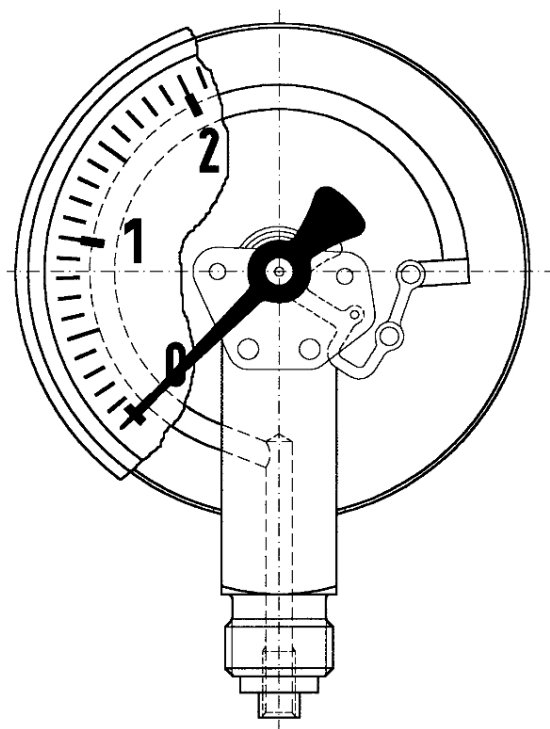


Precision Bourdon tube pressure gauge type D4



Application

For gaseous and liquid media which are not corrosive and not highly viscous and which do not crystallise. For high measuring accuracy.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D4

Nominal size

160

accuracy class (EN 837-1/6)

0.6

ranges

see ordering table

application area

static load: Full scale value
dynamic load: 0.9 x 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
 $\leq 60 \text{ bar}$: "C" type tube, Copper alloy
 $> 60 \text{ bar}$: helical tube, stainless steel 316 Ti/316 L

movement

Brass/nickel silver, jewel bearing

Dial

Aluminium, white
Scaling: black
NG 160

Pointer

knife edge pointer
Aluminium, black

Housing

Stainless steel 304

bayonet bezel

Stainless steel 304

window

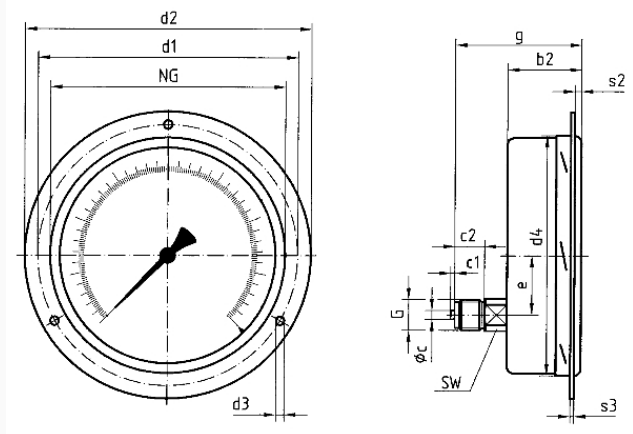
Plastic (PMMA)

Options

- factory test certificates
- Glycerine filling (type D 8)
- wetted parts stainless steel (type D 4x2)
- laminated safety glass window
- back flange
- 3-hole fixing, panel mounting bezel
- throttle screw
- special scales
- other process connections

Technical Drawings

NG 160 – 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
160	50	6	3	20	178	196	5,8	164	44,5	G½B	82	4	2	22

* Dimensions as per DIN 16070

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85701431
-1/+0.6 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85702431
-1/+1.5 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85703431
-1/+3 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85704431
-1/+5 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85705431
-1/+9 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85706431
-1/+15 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85707431
0/0.6 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85709431
0/1 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85710431
0/1.6 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85711431
0/2.5 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85712431
0/4 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85713431
0/6 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85714431
0/10 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85715431
0/16 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85716431
0/25 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85717431
0/40 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85718431
0/60 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85719431

0/100 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85720431
0/160 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85721431
0/250 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85722431
0/400 bar	3-hole fixing, panel mounting bezel	RF160F D431	●	85723431

● in-stock items

● Non-stock items