



Standard Bourdon tube pressure gauge for gas applications type D3

benefits

- Version safety pressure gauge S2 as per EN 837-1
- dual scale for measurement of different media (option)
- rear blow-out
- many customised versions available

Application

For gaseous and liquid media which are not highly viscous and do not crystallise. Specially designed for gas technology devices, fittings and installations.

! For measuring gas or vapour, these gauges must be used in accordance with the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D3

Nominal size

50

Version

EN 837-1-S2

accuracy class (EN 837-1/6)

1.6

ranges (EN 837-1/5)

see ordering table

application area

static load: $\frac{3}{4}$ x full scale value

dynamic load: $\frac{2}{3}$ x full scale value

short-term: 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 32 (EN 60529)

Connection

D311

Brass

centre back

Measuring element

Bourdon tube

D311

Copper alloy

$\leq 40 \text{ bar}$: "C" type tube

$> 40 \text{ bar}$: helical tube

movement

Brass

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

Stainless steel 304, with rear blow-out

window

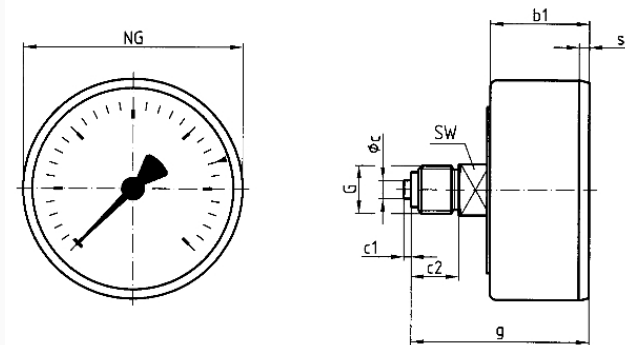
Plastic, snapped in

Options

- wetted parts stainless steel
- wetted parts oil-free and grease-free
- Helium leak test
- throttle screw
- special scales
- other connection threads

Technical Drawings

Centre back connection



Dimensions (mm)

NG	b1	Øc	c1	c2	G	g	s	SW
50	26	5	2	13	G $\frac{1}{4}$ B	47	3,8	14
63	29,5	5	2	13	G $\frac{1}{4}$ B	50,5	3,7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF50GT D311	●	85051311GT
-1/+0.6 bar	direct	RF50GT D311	●	85052311GT
-1/+1.5 bar	direct	RF50GT D311	●	85053311GT
-1/+3 bar	direct	RF50GT D311	●	85054311GT
-1/+5 bar	direct	RF50GT D311	●	85055311GT
-1/+9 bar	direct	RF50GT D311	●	85056311GT
-1/+15 bar	direct	RF50GT D311	●	85057311GT
0/0.6 bar	direct	RF50GT D311	●	85059311GT
0/1 bar	direct	RF50GT D311	●	85060311GT
0/1.6 bar	direct	RF50GT D311	●	85061311GT
0/2.5 bar	direct	RF50GT D311	●	85062311GT
0/4 bar	direct	RF50GT D311	●	85063311GT
0/6 bar	direct	RF50GT D311	●	85064311GT
0/10 bar	direct	RF50GT D311	●	85065311GT
0/16 bar	direct	RF50GT D311	●	85066311GT
0/25 bar	direct	RF50GT D311	●	85067311GT
0/40 bar	direct	RF50GT D311	●	85068311GT
0/60 bar	direct	RF50GT D311	●	85069311GT

0/100 bar	direct	RF50GT D311	●	85070311GT
0/160 bar	direct	RF50GT D311	●	85071311GT
0/250 bar	direct	RF50GT D311	●	85072311GT
0/315 bar	direct	RF50GT D311	●	85073311GT
0/400 bar	direct	RF50GT D311	●	85079311GT

- in-stock items
- Non-stock items