



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
D301
Brass
bottom

Measuring element

Bourdon tube
D301
Copper alloy
≤ 40 bar: "C" type tube
> 40 bar: helical tube

movement

Brass

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

Stainless steel 304, with rear blow-out

window

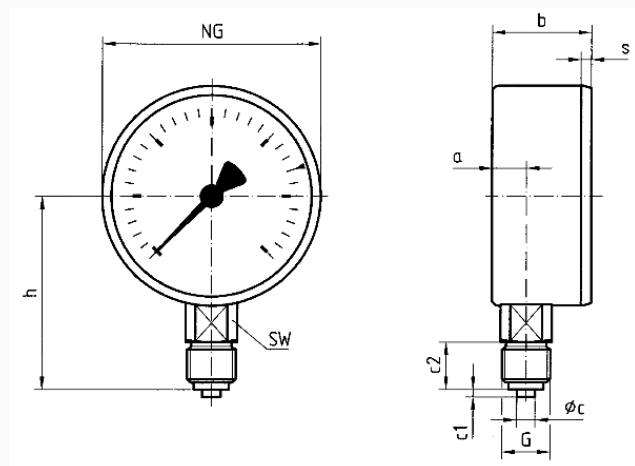
Plastic, snapped in

Options

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

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	s	SW
40	8,2	23,5	4	2	10	G½B	36	3	12
50	10,5	29	5	2	13	G½B	46	3,8	14
63	11	29,5	5	2	13	G½B	53	3,7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF50GT D301	●	85051301GT
-1/+0.6 bar	direct	RF50GT D301	●	85052301GT
-1/+1.5 bar	direct	RF50GT D301	●	85053301GT
-1/+3 bar	direct	RF50GT D301	●	85054301GT
-1/+5 bar	direct	RF50GT D301	●	85055301GT
-1/+9 bar	direct	RF50GT D301	●	85056301GT
-1/+15 bar	direct	RF50GT D301	●	85057301GT
0/0.6 bar	direct	RF50GT D301	●	85059301GT
0/1 bar	direct	RF50GT D301	●	85060301GT
0/1.6 bar	direct	RF50GT D301	●	85061301GT
0/2.5 bar	direct	RF50GT D301	●	85062301GT
0/4 bar	direct	RF50GT D301	●	85063301GT
0/6 bar	direct	RF50GT D301	●	85064301GT
0/10 bar	direct	RF50GT D301	●	85065301GT
0/16 bar	direct	RF50GT D301	●	85066301GT
0/25 bar	direct	RF50GT D301	●	85067301GT
0/40 bar	direct	RF50GT D301	●	85068301GT
0/60 bar	direct	RF50GT D301	●	85069301GT

0/100 bar	direct	RF50GT D301	●	85070301GT
0/160 bar	direct	RF50GT D301	●	85071301GT
0/250 bar	direct	RF50GT D301	●	85072301GT
0/400 bar	direct	RF50GT D301	●	85073301GT
0/315 bar	direct	RF50GT D301	●	85079301GT

- in-stock items
- Non-stock items