Standard Bourdon tube pressure gauge type D1

housing ⌀ (nominal size)	50 mm
Connection	G¼B
alignment	bottom
accuracy class	1.6
standard	EN 837-1

benefits

- for pneumatic and heating system applications
- Design as per EN 837-1
- Accuracy class 1.6
- corrosion-resistant, highly impact-resistant plastic housing
- many customised versions available

Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2"!

Technical Specifications

Type
D1

Nominal size
50

accuracy class (EN 837-1/6)
1.6

ranges (EN 837-1/5)
see ordering table

application area
static load: ¾ x full scale value
dynamic load: ⅔ 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. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

Degree of protection
IP 32 (EN 60529)

Connection
Brass, bottom

Measuring element
Bourdon tube, Copper alloy
≤ 60 bar: "C" type tube
> 60 bar: helical tube

movement
Brass

Dial
Plastic, white
Scaling: black

Pointer
Plastic, black

Housing
ABS, black, highly impact-resistant and corrosion-resistant

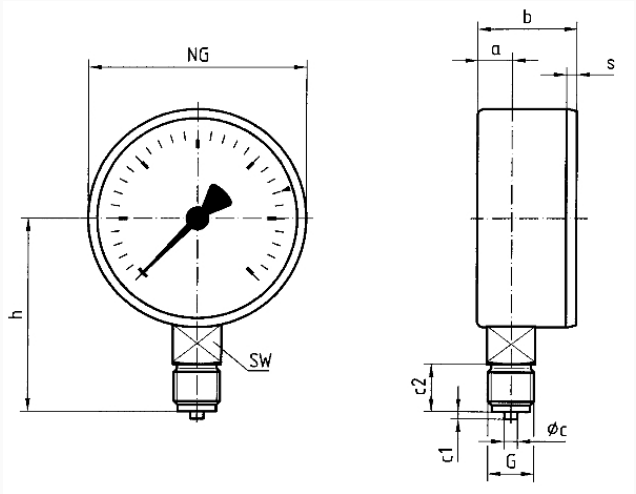
window
Plastic, clipped in
NG 50

Options

- throttle screw
- Reference pointer
- special scales
- other process connections

Technical Drawings

NG 40/50/63 – bottom connection



Dimensions (mm)

NG	a	b	∅c	c1	c2	G	h	s	SW
40	9,5	25	4	2	10	G⅛B	36	3	12
50	10,3	26,8	5	2	13	G¼B	45	3,8	14
63	9,8	29,7	5	2	13	G¼B	51,5	3,7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF50 D101	●	85051101
0/0.6 bar	direct	RF50 D101	○	85059101
0/1 bar	direct	RF50 D101	●	85060101
0/1.6 bar	direct	RF50 D101	●	85061101
0/2.5 bar	direct	RF50 D101	●	85062101
0/4 bar	direct	RF50 D101	●	85063101
0/6 bar	direct	RF50 D101	●	85064101
0/10 bar	direct	RF50 D101	●	85065101
0/16 bar	direct	RF50 D101	●	85066101
0/25 bar	direct	RF50 D101	●	85067101
0/40 bar	direct	RF50 D101	●	85068101
0/60 bar	direct	RF50 D101	●	85069101
0/100 bar	direct	RF50 D101	●	85070101
0/160 bar	direct	RF50 D101	●	85071101
0/250 bar	direct	RF50 D101	○	85072101
0/400 bar	direct	RF50 D101	○	85073101

● in-stock items

○ Non-stock items