

Standard Bourdon tube pressure gauge type D1



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

40

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

Brass, bottom

Measuring element

Bourdon tube, Copper alloy

$\leq 60 \text{ bar}$: "C" type tube

$> 60 \text{ bar}$: helical tube

movement

Brass

Dial

Plastic, white
Scaling: black

Pointer

Plastic, black

Options

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

Housing

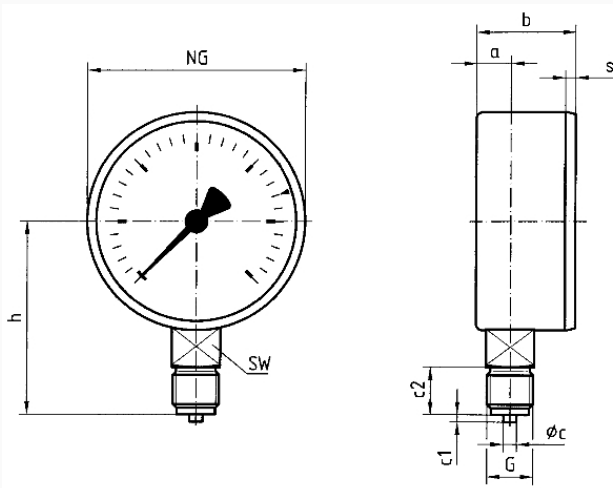
ABS, black, highly impact-resistant and corrosion-resistant

window

Plastic, clipped in
NG 40

Technical Drawings

NG 40/50/63 – bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	s	SW
40	9,5	25	4	2	10	G½B	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	RF40 D101	●	85001101
0/0.6 bar	direct	RF40 D101	●	85009101
0/1 bar	direct	RF40 D101	●	85010101
0/1.6 bar	direct	RF40 D101	●	85011101
0/2.5 bar	direct	RF40 D101	●	85012101
0/4 bar	direct	RF40 D101	●	85013101
0/6 bar	direct	RF40 D101	●	85014101
0/10 bar	direct	RF40 D101	●	85015101
0/16 bar	direct	RF40 D101	●	85016101
0/25 bar	direct	RF40 D101	●	85017101
0/40 bar	direct	RF40 D101	●	85018101
0/60 bar	direct	RF40 D101	●	85019101
0/100 bar	direct	RF40 D101	●	85020101
0/160 bar	direct	RF40 D101	●	85021101
0/250 bar	direct	RF40 D101	●	85022101

● in-stock items

● Non-stock items