

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

63

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. ± 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

Options

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

Housing

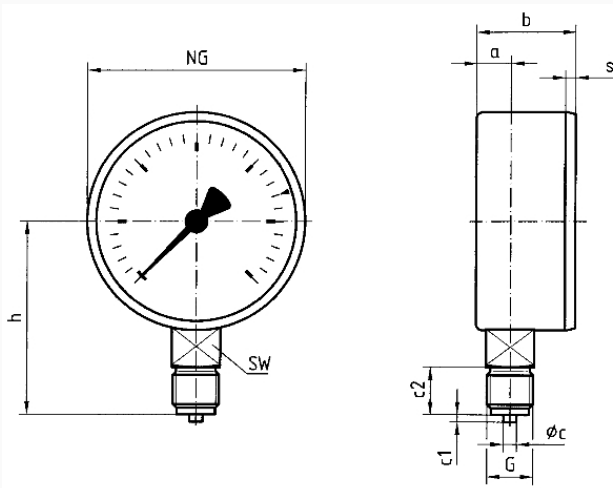
ABS, black, highly impact-resistant and corrosion-resistant

window

Plastic, clipped in
NG 63

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	G¾B	45	3,8	14
63	9,8	29,7	5	2	13	G¾B	51,5	3,7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF63 D101	●	85101101
-1/+0.6 bar	direct	RF63 D101	●	85102101
-1/+1.5 bar	direct	RF63 D101	●	85103101
-1/+3 bar	direct	RF63 D101	●	85104101
-1/+5 bar	direct	RF63 D101	●	85105101
-1/+9 bar	direct	RF63 D101	●	85106101
-1/+15 bar	direct	RF63 D101	●	85107101
0/0.6 bar	direct	RF63 D101	●	85109101
0/1 bar	direct	RF63 D101	●	85110101
0/1.6 bar	direct	RF63 D101	●	85111101
0/2.5 bar	direct	RF63 D101	●	85112101
0/4 bar	direct	RF63 D101	●	85113101
0/6 bar	direct	RF63 D101	●	85114101
0/10 bar	direct	RF63 D101	●	85115101
0/16 bar	direct	RF63 D101	●	85116101
0/25 bar	direct	RF63 D101	●	85117101
0/40 bar	direct	RF63 D101	●	85118101
0/60 bar	direct	RF63 D101	●	85119101

0/100 bar	direct	RF63 D101	●	85120101
0/160 bar	direct	RF63 D101	●	85121101
0/250 bar	direct	RF63 D101	●	85122101
0/400 bar	direct	RF63 D101	●	85123101

● in-stock items

● Non-stock items