

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, centre back

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

window

Plastic, clipped in
NG 63

Housing

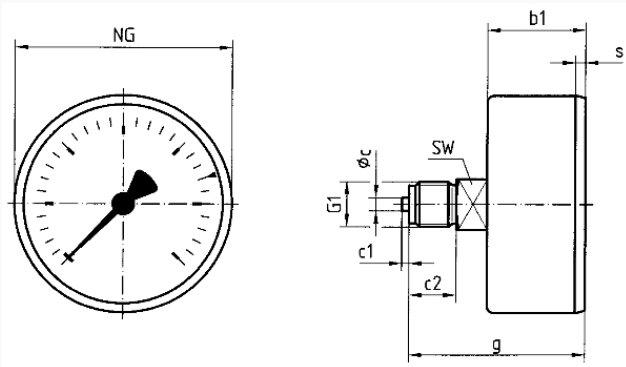
ABS, black, highly impact-resistant and corrosion-resistant

Options

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

Technical Drawings

NG 40/50/63 – centre back connection



Dimensions (mm)

NG	b1	Øc	c1	c2	g	G1	s	SW
40	25	4	2	10	41,5	G $\frac{1}{8}$ B	3	12
50	27,1	5	2	13	47,1	G $\frac{1}{4}$ B	3,8	14
63	30,4	5	2	13	50,4	G $\frac{1}{4}$ B	3,7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF63 D111	●	85101111
-1/+0.6 bar	direct	RF63 D111	●	85102111
-1/+1.5 bar	direct	RF63 D111	●	85103111
-1/+3 bar	direct	RF63 D111	●	85104111
-1/+5 bar	direct	RF63 D111	●	85105111
-1/+9 bar	direct	RF63 D111	●	85106111
-1/+15 bar	direct	RF63 D111	●	85107111
0/0.6 bar	direct	RF63 D111	●	85109111
0/1 bar	direct	RF63 D111	●	85110111
0/1.6 bar	direct	RF63 D111	●	85111111
0/2.5 bar	direct	RF63 D111	●	85112111
0/4 bar	direct	RF63 D111	●	85113111
0/6 bar	direct	RF63 D111	●	85114111
0/10 bar	direct	RF63 D111	●	85115111
0/16 bar	direct	RF63 D111	●	85116111
0/25 bar	direct	RF63 D111	●	85117111
0/40 bar	direct	RF63 D111	●	85118111
0/60 bar	direct	RF63 D111	●	85119111
0/100 bar	direct	RF63 D111	●	85120111
0/160 bar	direct	RF63 D111	●	85121111
Industrial technology / Mechanical pressure measuring instruments / RF63 D111				3 / 3
0/400 bar	direct	RF63 D111	●	85123111