

Standard Bourdon tube pressure gauge type D2



benefits

- for pneumatic and heating system applications (NG 40 - 50 - 63)
- for domestic technology and mechanical engineering applications (NG 80 - 100 - 160)
- robust steel housing
- window with adjustable reference pointer (NG 80 - 100)
- with reference pointer on dial (NG 160)
- Accuracy class 1.6
- 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
D2

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. $\pm 0.4 \text{ } \%/10 \text{ K}$
falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection
IP 32 (EN 60529)

Connection
Brass, centre back

Measuring element
Bourdon tube, Copper alloy
 $\leq 60 \text{ bar}$: "C" type tube
> 60 bar: helical tube

movement
Brass

Dial

NG 63
Plastic, white
D211
black

Scale

D211

Pointer

NG 63
Plastic, black

Housing

Sheet steel, black

push on bezel

NG 63

window

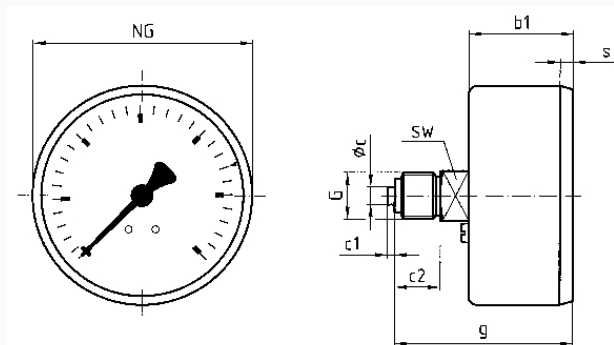
NG 63
Plastic, clipped in

Options

- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- 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	G	s	SW
40	25	4	2	10	41,5	G $\frac{1}{8}$ B	3	12
50	26	5	2	13	47	G $\frac{1}{4}$ B	3,8	14
63	29,4	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 D211		85101211
-1/+0.6 bar	direct	RF63 D211		85102211
-1/+1.5 bar	direct	RF63 D211		85103211
-1/+3 bar	direct	RF63 D211		85104211
-1/+5 bar	direct	RF63 D211		85105211
-1/+9 bar	direct	RF63 D211		85106211
-1/+15 bar	direct	RF63 D211		85107211
0/0.6 bar	direct	RF63 D211		85109211
0/1 bar	direct	RF63 D211		85110211
0/1.6 bar	direct	RF63 D211		85111211
0/2.5 bar	direct	RF63 D211		85112211
0/4 bar	direct	RF63 D211		85113211
0/6 bar	direct	RF63 D211		85114211
0/10 bar	direct	RF63 D211		85115211
0/16 bar	direct	RF63 D211		85116211
0/25 bar	direct	RF63 D211		85117211
0/40 bar	direct	RF63 D211		85118211
0/60 bar	direct	RF63 D211		85119211

0/100 bar	direct	RF63 D211	●	85120211
0/160 bar	direct	RF63 D211	●	85121211
0/250 bar	direct	RF63 D211	●	85122211
0/400 bar	direct	RF63 D211	●	85123211

- in-stock items
- Non-stock items