

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

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, centre back

Measuring element

Bourdon tube, Copper alloy

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

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

movement

Brass

Dial

NG 40
Plastic, white
D211
black

Scale

D211

Pointer

NG 40
Plastic, black

Housing

Sheet steel, black

push on bezel

NG 40

window

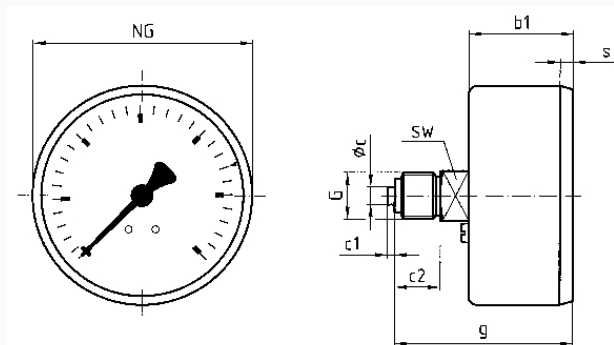
NG 40
Plastic, clipped in

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	RF40 D211	●	85001211
0/1 bar	direct	RF40 D211	●	85010211
0/1.6 bar	direct	RF40 D211	●	85011211
0/2.5 bar	direct	RF40 D211	●	85012211
0/4 bar	direct	RF40 D211	●	85013211
0/6 bar	direct	RF40 D211	●	85014211
0/10 bar	direct	RF40 D211	●	85015211
0/16 bar	direct	RF40 D211	●	85016211
0/25 bar	direct	RF40 D211	●	85017211
0/40 bar	direct	RF40 D211	●	85018211
0/60 bar	direct	RF40 D211	●	85019211
0/100 bar	direct	RF40 D211	●	85020211
0/160 bar	direct	RF40 D211	●	85021211
0/250 bar	direct	RF40 D211	●	85022211

- in-stock items
- Non-stock items