Standard Bourdon tube pressure gauge type D2

housing ⌀ (nominal size)	40 mm
Connection	G⅛B
alignment	centre back
accuracy class	1.6
standard	EN 837-1

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: ¾ x full scale value
dynamic load: ⅔ 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
NG 40
Plastic, white
D211
black

Scale
D211

Pointer
NG 40
Plastic, black

Housing
Sheet steel, black

push on bezel
NG 40

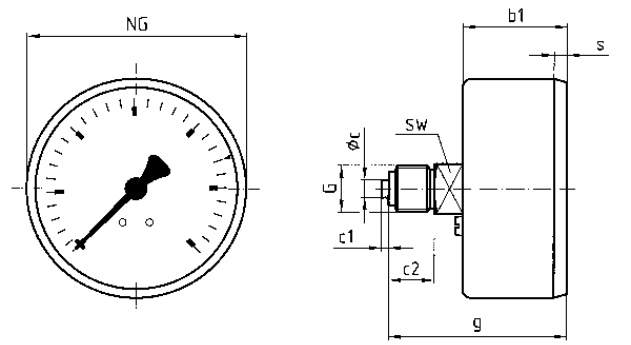
window
NG 40
Plastic, clipped in

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	∅c	c1	c2	g	G	s	SW
40	25	4	2	10	41,5	G⅛B	3	12
50	26	5	2	13	47	G¼B	3,8	14
63	29,4	5	2	13	50,4	G¼B	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