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
D231

Scale
D231
dual scale, bar outer, black – psi inner, red

Pointer
NG 40
Plastic, black

Housing
Sheet steel, black

push on bezel
NG 40

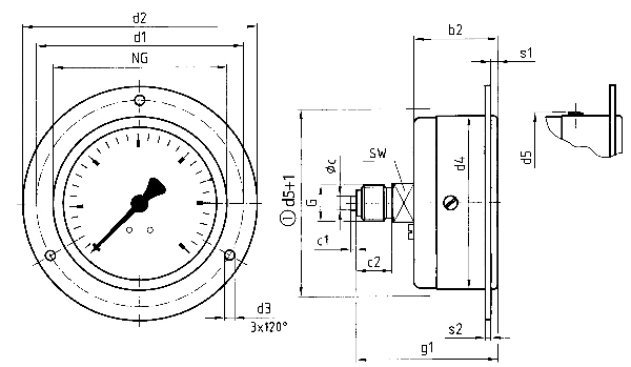
window
NG 40
Plastic, clipped in

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, 3-hole fixing, panel mounting bezel



Dimensions (mm)

NG	b2	∅c	c1	c2	d1	d2	d3	d4	d5	g1	G	s1	s2	SW
40	26	4	2	10	51	61	3,6	41	45	42,5	G⅛B	2,5	2	12
50	27,5	5	2	13	60	71	3,6	50	54	49	G¼B	2,5	2	14
63	30,3	5	2	13	75	85	3,6	63	66,5	51,3	G¼B	2,5	2	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85001231
0/1 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85010231
0/1.6 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85011231
0/2.5 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85012231
0/4 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85013231
0/6 bar	3-hole fixing, panel mounting bezel	RF40 D231	●	85014231
0/10 bar	3-hole fixing, panel mounting bezel	RF40 D231	●	85015231
0/16 bar	3-hole fixing, panel mounting bezel	RF40 D231	●	85016231
0/25 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85017231
0/40 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85018231
0/60 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85019231
0/100 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85020231
0/160 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85021231
0/250 bar	3-hole fixing, panel mounting bezel	RF40 D231	○	85022231

● in-stock items

○ Non-stock items