



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. ± 0.4 %/10 K

falling temperature approx. ± 0.4 %/10 K

of full scale value

Degree of protection

IP 32 (EN 60529)

Connection

Brass, bottom

Measuring element

Bourdon tube, Copper alloy

≤ 60 bar: "C" type tube

> 60 bar: helical tube

movement

Brass

Dial
NG 40
Plastic, white
D201
black

Scale
D201

Pointer
NG 40
Plastic, black

Options

- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- throttle screw
- Reference pointer
- special scales
- other process connections

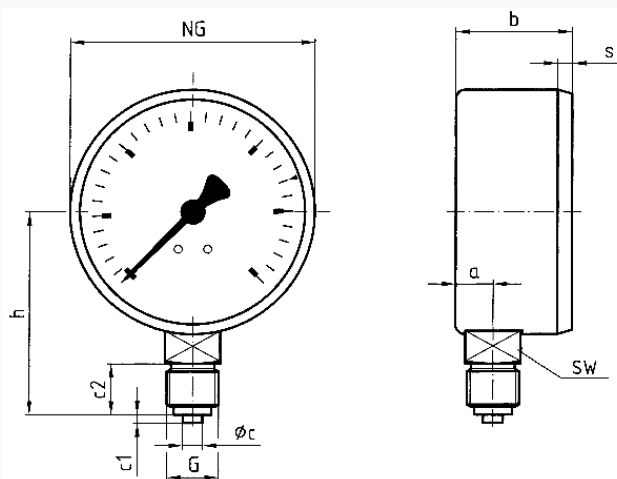
Housing
Sheet steel, black

push on bezel
NG 40

window
NG 40
Plastic, clipped in

Technical Drawings

NG 40/50/63 – bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	s	SW
40	8,5	23,5	4	2	10	G $\frac{1}{8}$ B	36	3	12
50	10,5	26	5	2	13	G $\frac{1}{4}$ B	45	3,8	14
63	9,5	29,4	5	2	13	G $\frac{1}{4}$ B	51,5	3,7	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF40 D201	●	85001201
0/1 bar	direct	RF40 D201	●	85010201
0/1.6 bar	direct	RF40 D201	●	85011201
0/2.5 bar	direct	RF40 D201	●	85012201
0/4 bar	direct	RF40 D201	●	85013201
0/6 bar	direct	RF40 D201	●	85014201
0/10 bar	direct	RF40 D201	●	85015201
0/16 bar	direct	RF40 D201	●	85016201
0/25 bar	direct	RF40 D201	●	85017201
0/40 bar	direct	RF40 D201	●	85018201
0/60 bar	direct	RF40 D201	●	85019201
0/100 bar	direct	RF40 D201	●	85020201
0/160 bar	direct	RF40 D201	●	85021201
0/250 bar	direct	RF40 D201	●	85022201

- in-stock items
- Non-stock items