



Standard Bourdon tube pressure gauge type D2

housing $\varnothing$ (nominal size)	100 mm
Connection	G $\frac{1}{2}$ B
alignment	bottom
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

100

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 100
Plastic, white
D201
black

Scale

D201

Pointer

NG 100
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

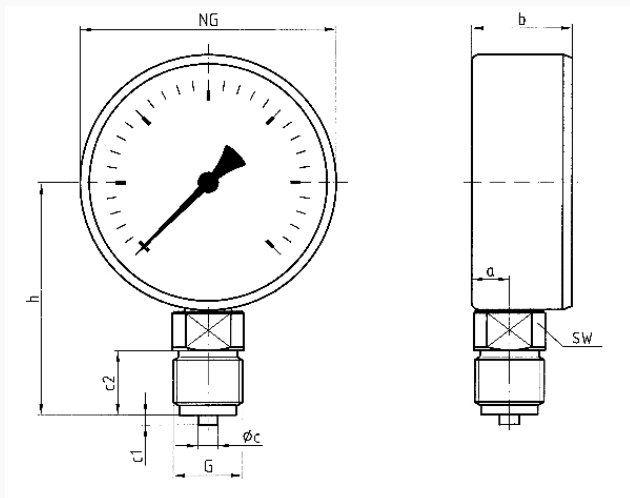
NG 100

window

NG 100
Plastic, clipped in, with adjustable red reference pointer

Technical Drawings

NG 80/100 – bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	SW
80	11,7	31	6	3	20	G½B	72	14
100	11	29,5	6	3	20	G½B	82	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF100 D201	●	85201201
-1/+0.6 bar	direct	RF100 D201	●	85202201
-1/+1.5 bar	direct	RF100 D201	●	85203201
-1/+3 bar	direct	RF100 D201	●	85204201
-1/+5 bar	direct	RF100 D201	●	85205201
-1/+9 bar	direct	RF100 D201	●	85206201
-1/+15 bar	direct	RF100 D201	●	85207201
0/0.6 bar	direct	RF100 D201	●	85209201
0/1 bar	direct	RF100 D201	●	85210201
0/1.6 bar	direct	RF100 D201	●	85211201
0/2.5 bar	direct	RF100 D201	●	85212201
0/4 bar	direct	RF100 D201	●	85213201
0/6 bar	direct	RF100 D201	●	85214201
0/10 bar	direct	RF100 D201	●	85215201
0/16 bar	direct	RF100 D201	●	85216201
0/25 bar	direct	RF100 D201	●	85217201
0/40 bar	direct	RF100 D201	●	85218201
0/60 bar	direct	RF100 D201	●	85219201

0/100 bar	direct	RF100 D201	●	85220201
0/160 bar	direct	RF100 D201	●	85221201
0/250 bar	direct	RF100 D201	●	85222201
0/400 bar	direct	RF100 D201	●	85223201

- in-stock items
- Non-stock items