



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

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, centre back

Measuring element

Bourdon tube, Copper alloy

≤ 60 bar: "C" type tube

> 60 bar: helical tube

movement

Brass

Dial

NG 100
Plastic, white
D211
black

Scale

D211

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

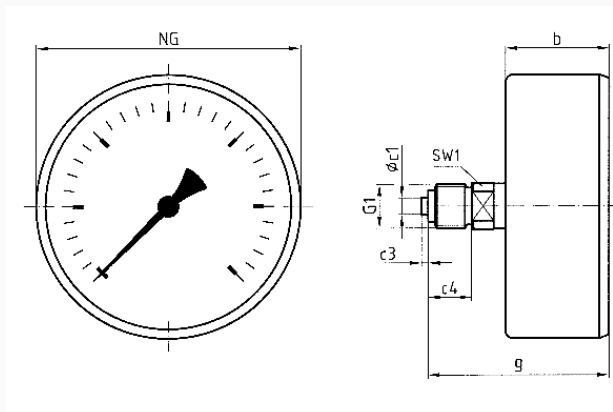
NG 100

window

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

Technical Drawings

NG 80/100 – centre back connection



Dimensions (mm)

NG	b	Øc1	c3	c4	g	G1	SW1
80	31	6	2	13	54	G $\frac{1}{4}$ B	14
100	29,5	6	2	13	52,5	G $\frac{1}{4}$ B	14

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF100 D211	●	85201211
-1/+0.6 bar	direct	RF100 D211	●	85202211
-1/+1.5 bar	direct	RF100 D211	●	85203211
-1/+3 bar	direct	RF100 D211	●	85204211
-1/+5 bar	direct	RF100 D211	●	85205211
-1/+9 bar	direct	RF100 D211	●	85206211
-1/+15 bar	direct	RF100 D211	●	85207211
0/0.6 bar	direct	RF100 D211	●	85209211
0/1 bar	direct	RF100 D211	●	85210211
0/1.6 bar	direct	RF100 D211	●	85211211
0/2.5 bar	direct	RF100 D211	●	85212211
0/4 bar	direct	RF100 D211	●	85213211
0/6 bar	direct	RF100 D211	●	85214211
0/10 bar	direct	RF100 D211	●	85215211
0/16 bar	direct	RF100 D211	●	85216211
0/25 bar	direct	RF100 D211	●	85217211
0/40 bar	direct	RF100 D211	●	85218211
0/60 bar	direct	RF100 D211	●	85219211

0/100 bar	direct	RF100 D211	●	85220211
0/160 bar	direct	RF100 D211	●	85221211
0/250 bar	direct	RF100 D211	●	85222211
0/400 bar	direct	RF100 D211	●	85223211

● in-stock items

● Non-stock items