



Standard Bourdon tube pressure gauges RF100

Part no. 85216211

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

standard version

Connection
Brass, centre back

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. $\pm 0.4 \text{ } \%/10 \text{ K}$
falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection
IP 32 (EN 60529)

Measuring element
Bourdon tube, Copper alloy
 $\leq 60 \text{ bar}$: "C" type tube
 $> 60 \text{ bar}$: helical tube

movement

Brass

Dial

NG 100
Plastic, white
D211
black

Scale

D211

Pointer

NG 100
Plastic, black

Housing

Sheet steel, black

push on bezel

NG 100

window

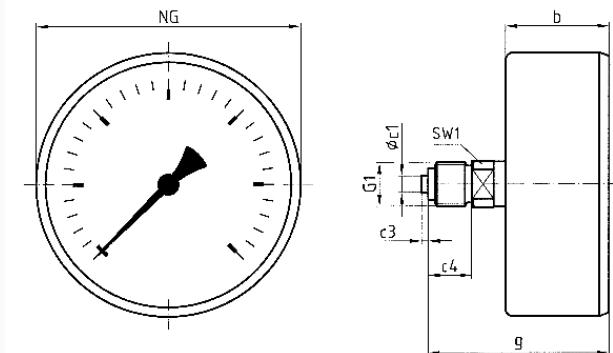
NG 100
Plastic, clipped in, with adjustable red reference pointer

Options

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

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
0/16 bar	direct	RF100 D211		85216211

-  in-stock items
-  Non-stock items