



## Standard Bourdon tube pressure gauges RF100

Part no. 85222211

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

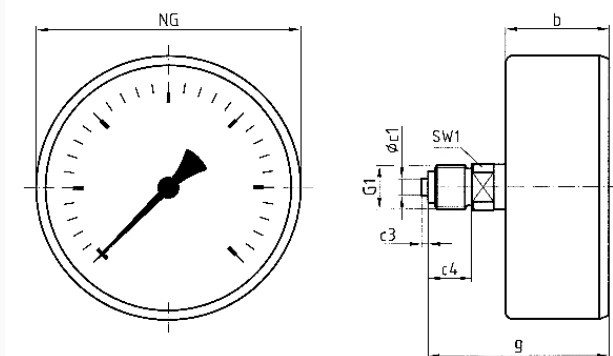
Plastic, clipped in, with adjustable red reference pointer

**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 |
|-----------|---------------|---------------|-------------------------------------------------------------------------------------|-------------|
| 0/250 bar | direct        | RF100<br>D211 |  | 85222211    |

-  in-stock items
-  Non-stock items