



## Standard Bourdon tube pressure gauges RF50

Part no. 85073211

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**  
50

**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 50  
Plastic, white  
D211  
black

**Scale**  
D211

**Pointer**  
NG 50  
Plastic, black

**Housing**  
Sheet steel, black

**push on bezel**  
NG 50

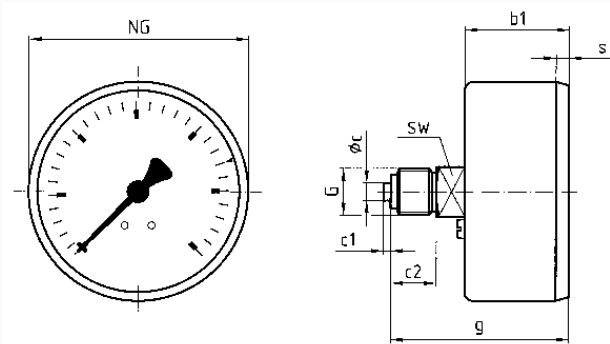
**window**  
NG 50  
Plastic, clipped in

## Options

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

## Technical Drawings

NG 40/50/63 – centre back connection



Dimensions (mm)

| NG | b1   | Øc | c1 | c2 | g    | G                 | s   | SW |
|----|------|----|----|----|------|-------------------|-----|----|
| 40 | 25   | 4  | 2  | 10 | 41,5 | G $\frac{1}{8}$ B | 3   | 12 |
| 50 | 26   | 5  | 2  | 13 | 47   | G $\frac{1}{4}$ B | 3,8 | 14 |
| 63 | 29,4 | 5  | 2  | 13 | 50,4 | G $\frac{1}{4}$ B | 3,7 | 14 |

Versions

| Range     | Mounting type | Type         |                                                                                     | Part number |
|-----------|---------------|--------------|-------------------------------------------------------------------------------------|-------------|
| 0/400 bar | direct        | RF50<br>D211 |  | 85073211    |

-  in-stock items
-  Non-stock items