



## Standard Bourdon tube pressure gauges RF40

Part no. 85010231

Standard Bourdon tube pressure gauges 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

40

#### 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.  $\pm 0.4 \text{ } \%/10 \text{ K}$

falling temperature approx.  $\pm 0.4 \text{ } \%/10 \text{ K}$

of full scale value

#### Degree of protection

IP 32 (EN 60529)

#### Connection

Brass, centre back

#### Measuring element

Bourdon tube, Copper alloy

$\leq 60 \text{ bar}$ : "C" type tube

$> 60 \text{ bar}$ : helical tube

#### movement

Brass

#### Dial

NG 40

Plastic, white

D231

#### Scale

D231

dual scale, bar outer, black – psi inner, red

#### Pointer

NG 40

Plastic, black

#### Housing

Sheet steel, black

#### push on bezel

NG 40

#### window

NG 40

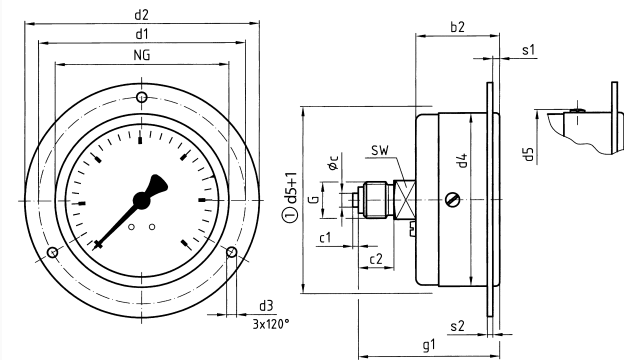
Plastic, clipped in

### 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, 3-hole fixing, panel mounting bezel**



#### Dimensions (mm)

| NG | b2   | Øc | c1 | c2 | d1 | d2 | d3  | d4 | d5   | g1   | G                 | s1  | s2 | SW |
|----|------|----|----|----|----|----|-----|----|------|------|-------------------|-----|----|----|
| 40 | 26   | 4  | 2  | 10 | 51 | 61 | 3,6 | 41 | 45   | 42,5 | G $\frac{1}{8}$ B | 2,5 | 2  | 12 |
| 50 | 27,5 | 5  | 2  | 13 | 60 | 71 | 3,6 | 50 | 54   | 49   | G $\frac{1}{4}$ B | 2,5 | 2  | 14 |
| 63 | 30,3 | 5  | 2  | 13 | 75 | 85 | 3,6 | 63 | 66,5 | 51,3 | G $\frac{1}{4}$ B | 2,5 | 2  | 14 |

Versions

| Range   | Mounting type                       | Type      |                                                                                     | Part number |
|---------|-------------------------------------|-----------|-------------------------------------------------------------------------------------|-------------|
| 0/1 bar | 3-hole fixing, panel mounting bezel | RF40 D231 |  | 85010231    |

-  in-stock items
-  Non-stock items