



## Standard Bourdon tube pressure gauges RF40

**Part no. 85019251**

**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

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

#### standard version

#### Connection

Brass, centre back

#### Measuring element

Bourdon tube, Copper alloy

≤ 60 bar: "C" type tube

> 60 bar: helical tube

#### 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.  $\pm 0.4$  %/10 K

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

of full scale value

#### Degree of protection

IP 32 (EN 60529)

#### movement

Brass

#### Dial

NG 40

Plastic, white

D251

**Scale**

D251  
dual scale, bar outer, black – psi inner, red

**Pointer**

NG 40

**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, panel mounting bezel with clamp fixing**



**Dimensions (mm)**

| NG | b3   | c2 | d6   | g2   | G                 | m    | s3  | SW |
|----|------|----|------|------|-------------------|------|-----|----|
| 40 | 28   | 10 | 44   | 46,6 | G $\frac{1}{8}$ B | 50   | 5,2 | 12 |
| 50 | 30,3 | 13 | 54   | 51,3 | G $\frac{1}{4}$ B | 45   | 5,4 | 14 |
| 63 | 30,3 | 13 | 67,8 | 53,3 | G $\frac{1}{4}$ B | 51,5 | 5,6 | 14 |

**Versions**

| Range    | Mounting type                           | Type         | Part number |
|----------|-----------------------------------------|--------------|-------------|
| 0/60 bar | Panel mounting bezel, with clamp fixing | RF40<br>D251 | 85019251    |

- in-stock items
- Non-stock items