



## Standard Bourdon tube pressure gauges RF40

Part no. 85019111

Standard Bourdon tube pressure gauges Type D1

### benefits

- for pneumatic and heating system applications
- Design as per EN 837-1
- Accuracy class 1.6
- corrosion-resistant, highly impact-resistant plastic housing
- 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

D1

#### 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

Plastic, white

Scaling: black

**Pointer**  
Plastic, black

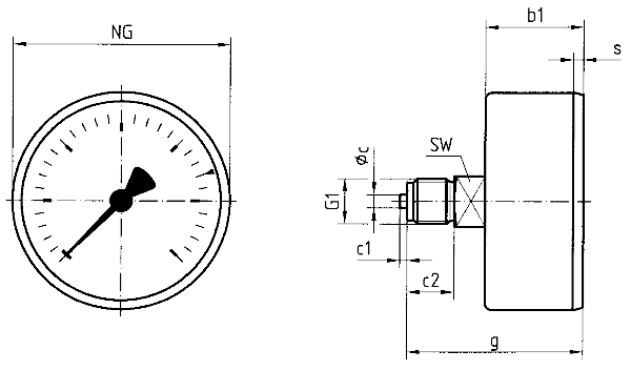
**Housing**  
ABS, black, highly impact-resistant and corrosion-resistant

**window**  
Plastic, clipped in  
NG 40

- Options**
- throttle screw
  - Reference pointer
  - special scales
  - other process connections

**Technical Drawings**

**NG 40/50/63 – centre back connection**



| NG | b1   | Øc | c1 | c2 | g    | G1  | s   | SW |
|----|------|----|----|----|------|-----|-----|----|
| 40 | 25   | 4  | 2  | 10 | 41,5 | G½B | 3   | 12 |
| 50 | 27,1 | 5  | 2  | 13 | 47,1 | G¾B | 3,8 | 14 |
| 63 | 30,4 | 5  | 2  | 13 | 50,4 | G¾B | 3,7 | 14 |

**Versions**

| Range    | Mounting type | Type         | Part number |
|----------|---------------|--------------|-------------|
| 0/60 bar | direct        | RF40<br>D111 | 85019111    |

- in-stock items
- Non-stock items