



## Standard Bourdon tube pressure gauges RF40

Part no. 85018101

Standard Bourdon tube pressure gauge 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)

### standard version

#### Connection

Brass, bottom

#### Measuring element

Bourdon tube, Copper alloy  
 $\leq 60$  bar: "C" type tube  
 $> 60$  bar: helical tube

#### movement

Brass

#### Dial

Plastic, white  
 Scaling: black

#### Pointer

Plastic, black

#### Housing

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

#### window

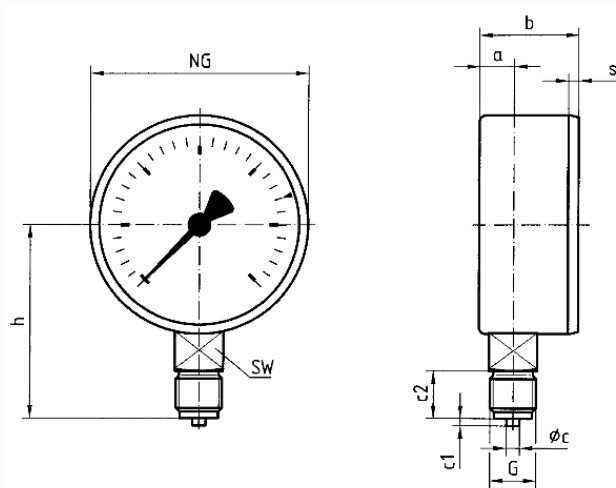
Plastic, clipped in  
 NG 40

### Options

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

### Technical Drawings

NG 40/50/63 – bottom connection



Dimensions (mm)

| NG | a    | b    | øc | c1 | c2 | G                 | h    | s   | SW |
|----|------|------|----|----|----|-------------------|------|-----|----|
| 40 | 9,5  | 25   | 4  | 2  | 10 | G $\frac{1}{8}$ B | 36   | 3   | 12 |
| 50 | 10,3 | 26,8 | 5  | 2  | 13 | G $\frac{1}{4}$ B | 45   | 3,8 | 14 |
| 63 | 9,8  | 29,7 | 5  | 2  | 13 | G $\frac{1}{4}$ B | 51,5 | 3,7 | 14 |

Versions

| Range    | Mounting type | Type         |                                                                                     | Part number |
|----------|---------------|--------------|-------------------------------------------------------------------------------------|-------------|
| 0/40 bar | direct        | RF40<br>D101 |  | 85018101    |

-  in-stock items
-  Non-stock items