



## Standard Bourdon tube pressure gauges RF40

Part no. 85014201

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

#### 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  
≤ 60 bar: "C" type tube  
> 60 bar: helical tube

**movement**  
Brass

**Dial**  
NG 40  
Plastic, white  
D201  
black

**Scale**  
D201

**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 – bottom connection



Dimensions (mm)

| NG | a    | b    | Øc | c1 | c2 | G                 | h    | s   | SW |
|----|------|------|----|----|----|-------------------|------|-----|----|
| 40 | 8,5  | 23,5 | 4  | 2  | 10 | G $\frac{1}{8}$ B | 36   | 3   | 12 |
| 50 | 10,5 | 26   | 5  | 2  | 13 | G $\frac{1}{4}$ B | 45   | 3,8 | 14 |
| 63 | 9,5  | 29,4 | 5  | 2  | 13 | G $\frac{1}{4}$ B | 51,5 | 3,7 | 14 |

Versions

| Range   | Mounting type | Type         |                                                                                     | Part number |
|---------|---------------|--------------|-------------------------------------------------------------------------------------|-------------|
| 0/6 bar | direct        | RF40<br>D201 |  | 85014201    |

-  in-stock items
-  Non-stock items