



## Bourdon tube pressure gauges for industrial applications RF100I

Part no. 85303201

Bourdon tube pressure gauges for industrial applications type D2

### benefits

- for machine and plant engineering
- robust steel 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 high measuring accuracy. For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

### Technical Specifications

#### Type

D2

#### Nominal size

100

#### accuracy class (EN 837-1/6)

1.0

#### ranges (EN 837-1/5)

see ordering table

#### application area

$\leq 600$  bar: Full scale value  
 $> 600$  bar:  $\frac{3}{4}$  x full scale value  
 $\leq 600$  bar: 0.9 x full scale value  
 $> 600$  bar:  $\frac{2}{3}$  x full scale value  
 $\leq 600$  bar: 1.3 x full scale value  
 $> 600$  bar: 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.  $\pm 0.4$  %/10 K

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

of full scale value

#### Degree of protection

IP 32 (EN 60529)

## standard version

### Connection

Brass, bottom

### Measuring element

Bourdon tube

≤ 60 bar: "C" type tube, Copper alloy

> 60 bar: helical tube, stainless steel 316 Ti/316 L

### movement

Brass

### Dial

Aluminium, white

Scaling: black

### Pointer

Aluminium, black

### Housing

Sheet steel, black

### window

Plastic, clipped in

## Options

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

## Technical Drawings

### Bottom connection



### Dimensions (mm)

| NG  | a    | b  | Øc | c1 | c2 | G   | h  | s   | SW |
|-----|------|----|----|----|----|-----|----|-----|----|
| 100 | 15,6 | 44 | 6  | 3  | 20 | G½B | 86 | 3,5 | 22 |

Versions

| Range       | Mounting type | Type           |                                                                                     | Part number |
|-------------|---------------|----------------|-------------------------------------------------------------------------------------|-------------|
| -1/+1.5 bar | direct        | RF100I<br>D201 |  | 85303201    |

-  in-stock items
-  Non-stock items