



## Bourdon tube pressure gauges for industrial applications RF100I

**Part no. 85317401**

**Bourdon tube pressure gauges for industrial applications type D4**

### benefits

- for machine and plant engineering
- robust, stainless steel housing with bayonet bezel
- can be equipped with electrical contact
- DNV-GL- and GOSSTANDART-certified

### Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys. For high accuracy and rough application conditions.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

### Technical Specifications

#### Type

D4

#### Nominal size

100

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

1.0

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

see ordering table

#### application area

- ≤ 600 bar: Full scale value
- > 600 bar:  $\frac{3}{4}$  x full scale value
- ≤ 600 bar: 0.9 x full scale value
- > 600 bar:  $\frac{2}{3}$  x full scale value
- ≤ 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 54 (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

## Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- laminated safety glass window
- throttle screw
- Reference pointer
- Electrical contacts
- special scales
- other process connections

### Pointer

Aluminium, black

### Housing

Stainless steel 304, with blow-out

### bayonet bezel

Stainless steel 304

### window

Instrument glass

Technical Drawings



Versions

| Range    | Mounting type | Type           | Part number |
|----------|---------------|----------------|-------------|
| 0/25 bar | direct        | RF100I<br>D401 | 85317401    |

- in-stock items
- Non-stock items