



## Bourdon tube pressure gauges for industrial applications RF100I

Part no. 85314201

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)

### Connection

Brass, bottom

### Measuring element

Bourdon tube  
 $\leq 60$  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

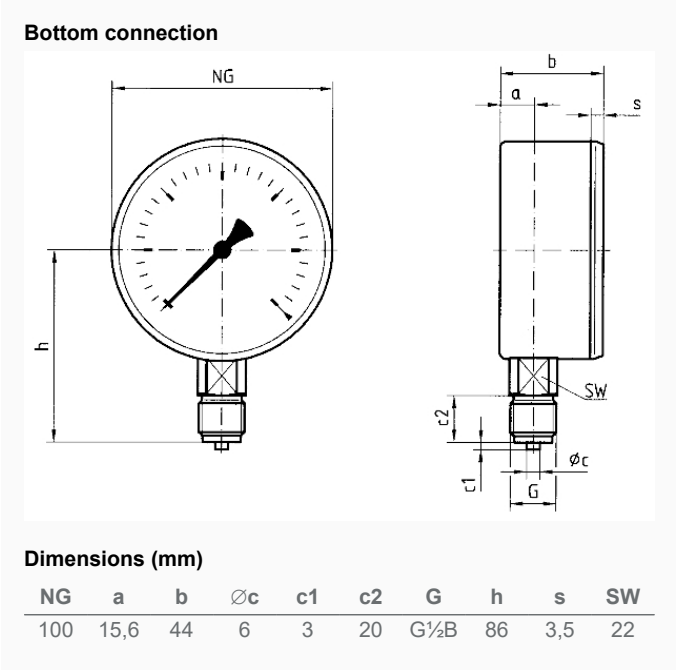
**Options**

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

**Housing**  
Sheet steel, black

**window**  
Plastic, clipped in

**Technical Drawings**



**Versions**

| Range   | Mounting type | Type           | Part number |
|---------|---------------|----------------|-------------|
| 0/6 bar | direct        | RF100I<br>D201 | 85314201    |

- in-stock items
- Non-stock items