



## Bourdon tube pressure gauge RF100ISR

Part no. 85319101

Bourdon tube pressure gauge with screw bezel housing type D1

### benefits

- for machine and plant engineering
- extremely robust plastic housing (PA 6.6 GB30)
- laminated safety glass window
- higher accuracy class optional

### 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"

### Technical Specifications

#### Type

D1

#### 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 65 (EN 60529)

#### 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

**Options**

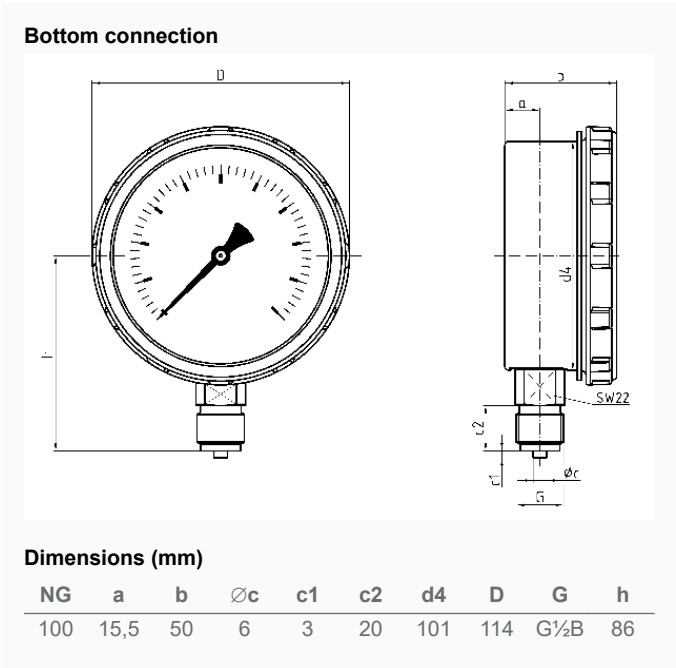
- Glycerine filling (type D 6)
- higher accuracy class
- throttle screw
- special scales
- other process connections
- micro-adjustable pointer

**Housing**  
plastic (PA 6.6 GB30), with blow-out

**Screw type bezel**  
plastic (PA 6.6 GB30)

**window**  
Laminated safety glass

**Technical Drawings**



**Versions**

| Range    | Mounting type | Type             | Part number |
|----------|---------------|------------------|-------------|
| 0/60 bar | direct        | RF100ISR<br>D101 | 85319101    |

- ☒ in-stock items
- ☐ Non-stock items