



## Bourdon tube pressure gauges Process Gauge RF130PG

Part no. 87923111

Standard Bourdon tube pressure gauges Process Gauges Type D1

### benefits

- extremely robust pressure gauge for offshore and onshore applications
- glass-fibre reinforced safety housing with solid baffle wall and blow-out
- integrated pressure compensation diaphragm
- tightness-tested with helium
- GOSSTANDART-certified

### Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise. Specially suitable for the oil and chemical industries.

### Technical Specifications

#### Type

D1

#### Nominal size

4.5

#### accuracy class (ASME B 40.100)

Grade 2A (correspond to an accuracy of 0.5 %)

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

see ordering table

#### application area

static load: Full scale value  
dynamic load: 0.9 x full scale value  
short-term: 1.3 x full scale value

#### Operating temperature range

Medium: max. 100 °C  
Ambient: -40/+65 °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 67 (EN 60529)

#### Connection

Brass  
D111  
bottom back

#### Measuring element

Bourdon tube, stainless steel 316 Ti/316 L  
 $\leq 60$  bar: "C" type tube  
> 60 bar: helical tube  
tightness-tested with helium

#### movement

Stainless steel

**Dial**

Aluminium, white  
Scaling: black

**Pointer**

micro-adjustable pointer  
Brass, black

**Housing**

PP-GF20, black  
with solid baffle wall and blow-out,  
Integrated back flange

**Screw type bezel**

PP-GF20, black Internal

**window**

Plastic (PMMA)

**Options**

- Glycerine filling (type D 6)
- Silicone oil filling (type D 6)
- Measuring system copper alloy (type 1x1)
- Measuring system Monel (type 1x3)
- laminated safety glass window
- Reference pointer
- Maximum pointer
- Electrical contacts
- special scales
- other process connections

**Technical Drawings**

**Centre back connection**



**Dimensions (mm)**

| NG  | b    | c1 | c2 | d1  | d2  | d3 | ØD  | e  | G    | g    | h1 | s1   | s2 | SW |
|-----|------|----|----|-----|-----|----|-----|----|------|------|----|------|----|----|
| 4½" | 82,5 | 15 | 20 | 137 | 148 | 6  | 129 | 38 | ½-14 | 05,5 | 67 | 12,5 | 25 | 22 |
| NPT |      |    |    |     |     |    |     |    |      |      |    |      |    |    |

## Versions

| Range     | Mounting type | Type            | Part number |
|-----------|---------------|-----------------|-------------|
| 0/400 bar | back flange   | RF130PG<br>D111 | 87923111    |

- in-stock items
- Non-stock items