



## Bourdon tube pressure gauges Process Gauge RF130PG

Part no. 87912112

Standard Bourdon tube pressure gauge 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.  $\pm 0.4 \text{ } \%/10 \text{ K}$

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

of full scale value

#### Degree of protection

IP 67 (EN 60529)

### standard version

#### Connection

Stainless steel 316 L  
D112  
bottom back

#### Measuring element

Bourdon tube, stainless steel 316 Ti/316 L  
≤ 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 | 105,5 | 67 | 12,5 | 25 | 22 |
| NPT |      |    |    |     |     |    |     |    |      |       |    |      |    |    |

Versions

| Range     | Mounting type | Type            |                                                                                     | Part number |
|-----------|---------------|-----------------|-------------------------------------------------------------------------------------|-------------|
| 0/2.5 bar | back flange   | RF130PG<br>D112 |  | 87912112    |

-  in-stock items
-  Non-stock items