



## Stainless steel diaphragm pressure gauges PF100E

Part no. 85887402

Stainless steel diaphragm pressure gauge type D4

### benefits

- robust and compact design
- various process connections possible
- flush mounted versions without transmission liquid
- wetted area without seals due to welding
- GOSSTANDART-certified

### Application

For corrosive gaseous and liquid media, also for use in corrosive environments. With open connection flange also suitable for viscous and polluted media; with hygienic connections specially suitable for pharmaceutical processes. 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 837-3/6)

1.6

#### ranges (EN 837-3/5)

see ordering table

#### application area

static load: Full scale value

dynamic load: 0.9 x full scale value

#### Overpressure safety

≤ 6 bar

at least 5 x FS

#### Operating temperature range

Medium: max. 100 °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. ± 0.8 %/10 K

falling temperature approx. ± 0.8 %/10 K  
of full scale value

#### Degree of protection

IP 54 (EN 60529)

#### Connection

stainless steel 316 Ti/316 L, bottom

G½B, SW22 ( )

#### lower measuring flange

stainless steel 316 Ti/316 L

**upper measuring flange**  
Stainless steel 316 L

**Measuring element**  
diaphragm  
≤ 2.5 bar  
stainless steel 316 Ti/316 L

**movement**  
Stainless steel

**Dial**  
Aluminium, white  
Scaling: black

## Options

- Glycerine filling ( $\geq 1$  bar)
- wetted parts with special coating
- clamp connection
- Varivent or BioControl connection
- flush mounted connection flanges as per EN
- open connection flanges as per EN/ANSI
- Electrical contacts ( $\geq 0/0.6$  bar)
- other connection threads

**Pointer**  
Aluminium, black

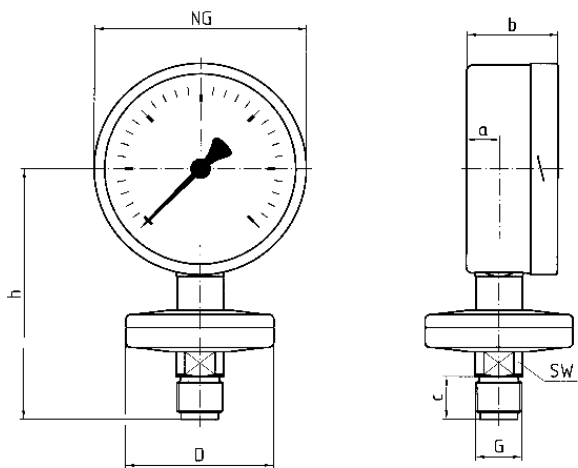
**Housing**  
Stainless steel 304, with blow-out

**bayonet bezel**  
Stainless steel 304

**window**  
Laminated safety glass

## Technical Drawings

**Bottom connection, 0/100 mbar to 0/2.5 bar**



**Dimensions (mm)**

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| NG  | a    | b  | c  | D  | G                 | h   | SW |
|-----|------|----|----|----|-------------------|-----|----|
| 100 | 15,6 | 49 | 20 | 69 | G $\frac{1}{2}$ B | 117 | 22 |
| 160 | 17,5 | 50 | 20 | 69 | G $\frac{1}{2}$ B | 148 | 22 |

Versions

| Range      | Mounting type | Type           |                                                                                     | Part number |
|------------|---------------|----------------|-------------------------------------------------------------------------------------|-------------|
| 0/160 mbar | direct        | PF100E<br>D402 |  | 85887402    |

-  in-stock items
-  Non-stock items