



## Standard diaphragm pressure gauges PF160

Part no. 85966401

Standard diaphragm pressure gauge type D4

### benefits

- for low pressure ranges
- high overpressure safety
- robust design
- optional flange connections

### Application

For non-corrosive gaseous and liquid media. With open connection flange also suitable for viscous and polluted media. For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

### Technical Specifications

#### Type

D4

#### Nominal size

160

#### 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

≥ 10 bar

max. 40 bar

#### 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)

### standard version

#### Connection

Steel, bottom  
G½B, SW22 (EN 837-3/7.3)

#### lower measuring flange

steel, galvanised

#### upper measuring flange

Stainless steel 304

#### Measuring element

diaphragm  
Measuring flange  
Stainless steel 316 L

#### Seal

NBR (Perbunan)

#### movement

Brass

#### Dial

Aluminium, white  
Scaling: black

#### Pointer

Aluminium, black

#### Housing

Stainless steel 304, with blow-out

#### bayonet bezel

Stainless steel 304

#### window

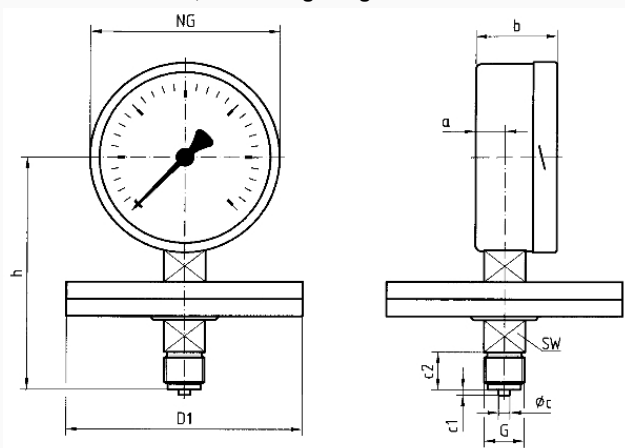
Instrument glass

### Options

- Safety housing
- Overpressure safety 10 x FSD (measuring flange  $\varnothing$  100 to max. 40 bar, measuring flange  $\varnothing$  160 to max. 2.5 bar)
- Glycerine filling ( $\geq 40$  mbar,  $\leq 250$  mbar accuracy class 2.5)
- Electrical contacts
- wetted parts with special coating
- open connection flanges as per EN/ASME

### Technical Drawings

bottom connection, measuring flange  $\varnothing$  160



Dimensions (mm)

| NG  | a  | b  | Øc | c1 | c2 | D1  | G   | h   | SW |
|-----|----|----|----|----|----|-----|-----|-----|----|
| 160 | 20 | 55 | 6  | 3  | 20 | 160 | G½B | 156 | 22 |

Versions

| Range    | Mounting type | Type          |                                                                                     | Part number |
|----------|---------------|---------------|-------------------------------------------------------------------------------------|-------------|
| 0/10 bar | direct        | PF160<br>D401 |  | 85966401    |

-  in-stock items
-  Non-stock items