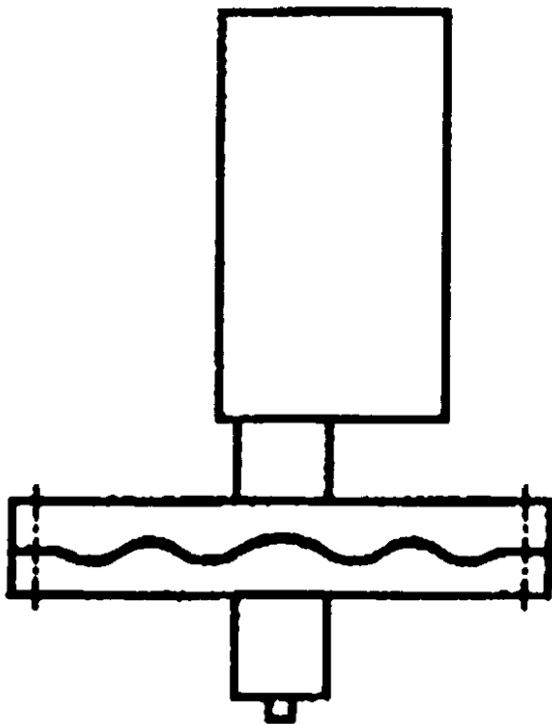




## Standard diaphragm pressure gauges PF100Gly

Part no. 85909801

Standard diaphragm pressure gauge type D8 with glycerine filling

### benefits

- Overpressure safety 10 bar
- smallest ranges
- robust and compact design
- wetted area without seals due to welding
- Ex version (optional)

### Technical Specifications

**Type**  
D8

**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

### standard version

**Connection**  
Steel, bottom  
G $\frac{1}{2}$ B, SW22 (EN 837-3/7.3)

**lower measuring flange**  
Steel

**Overpressure safety**  
 $\leq 0.4$  bar  
at least 1.3 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.  $\pm 0.8$  %/10 K  
falling temperature approx.  $\pm 0.8$  %/10 K  
of full scale value

**Degree of protection**  
IP 54 (EN 60529)

**upper measuring flange**  
Stainless steel 304

**Measuring element**

diaphragm  
measuring flange  $\varnothing$  100,  $\leq$  0/1.6 bar  
Duratherm

**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

**filling liquid**

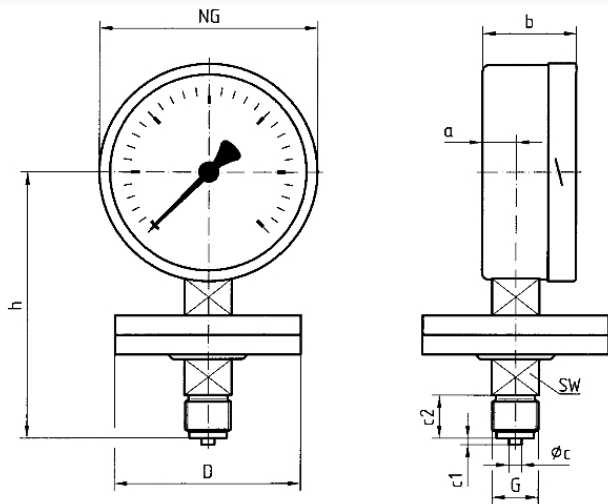
Glycerine

**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  $\varnothing$  100**



**Dimensions (mm)**

| NG  | a  | b  | $\varnothing$ c | c1 | c2 | D   | G    | h   | SW |
|-----|----|----|-----------------|----|----|-----|------|-----|----|
| 100 | 20 | 55 | 6               | 3  | 20 | 100 | G1½B | 127 | 22 |

Versions

| Range     | Mounting type | Type             |                                                                                     | Part number |
|-----------|---------------|------------------|-------------------------------------------------------------------------------------|-------------|
| 0/0.4 bar | direct        | PF100Gly<br>D801 |  | 85909801    |

-  in-stock items
-  Non-stock items