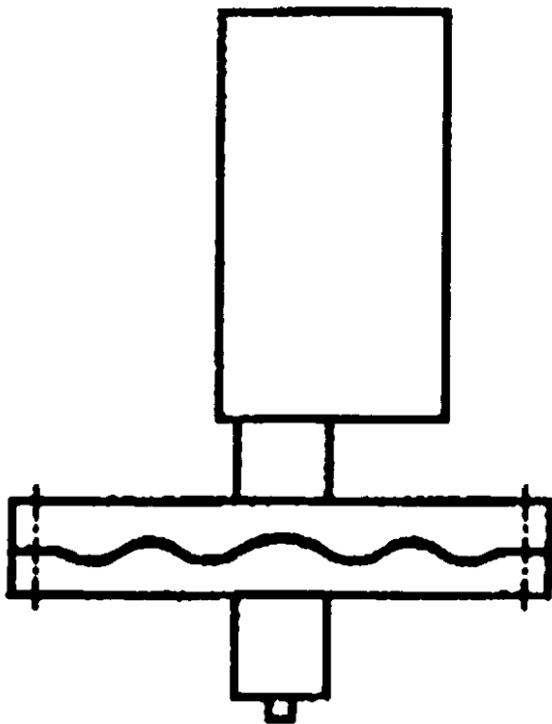




## Standard diaphragm pressure gauge type D8 with glycerine filling

### 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**  
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

**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.  $\pm 0.8 \text{ } \%/10 \text{ K}$   
falling temperature approx.  $\pm 0.8 \text{ } \%/10 \text{ K}$   
of full scale value

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

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

**lower measuring flange**  
Steel

**upper measuring flange**  
Stainless steel 304

**Measuring element**  
diaphragm

**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**

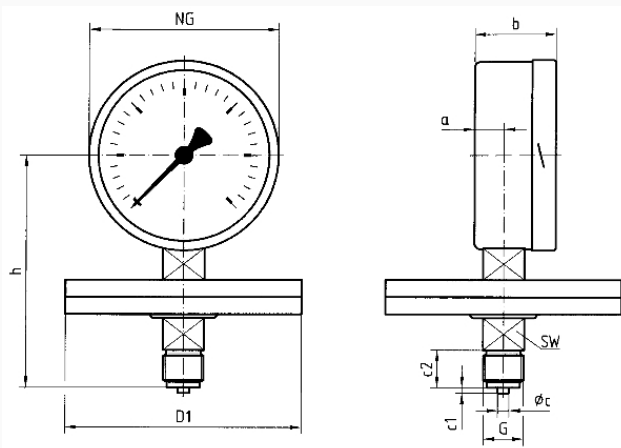
Glycerine

**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  $\varnothing$  160**



**Dimensions (mm)**

| NG  | a  | b  | $\varnothing c$ | c1 | c2 | D1  | G                 | h   | SW |
|-----|----|----|-----------------|----|----|-----|-------------------|-----|----|
| 160 | 20 | 55 | 6               | 3  | 20 | 160 | G $\frac{1}{2}$ B | 156 | 22 |

## Versions

| Range     | Mounting type | Type             |   | Part number |
|-----------|---------------|------------------|---|-------------|
| 0/0.4 bar | direct        | PF160Gly<br>D801 | ● | 85959801    |
| 0/0.6 bar | direct        | PF160Gly<br>D801 | ● | 85960801    |
| 0/1 bar   | direct        | PF160Gly<br>D801 | ● | 85961801    |
| 0/1.6 bar | direct        | PF160Gly<br>D801 | ● | 85962801    |
| 0/2.5 bar | direct        | PF160Gly<br>D801 | ● | 85963801    |
| 0/4 bar   | direct        | PF160Gly<br>D801 | ● | 85964801    |
| 0/6 bar   | direct        | PF160Gly<br>D801 | ● | 85965801    |
| 0/10 bar  | direct        | PF160Gly<br>D801 | ● | 85966801    |
| 0/16 bar  | direct        | PF160Gly<br>D801 | ● | 85967801    |
| 0/25 bar  | direct        | PF160Gly<br>D801 | ● | 85968801    |

- in-stock items
- Non-stock items