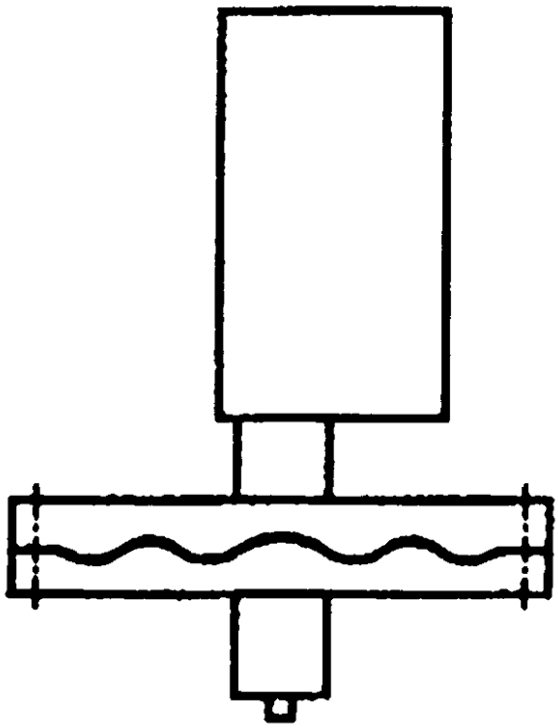


Standard diaphragm pressure gauges PF100Gly

Part no. 85907801

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

Overpressure safety
≤ 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. ± 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

upper measuring flange
Stainless steel 304

Measuring element
diaphragm
measuring flange ⌀ 160
stainless steel 316 Ti/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

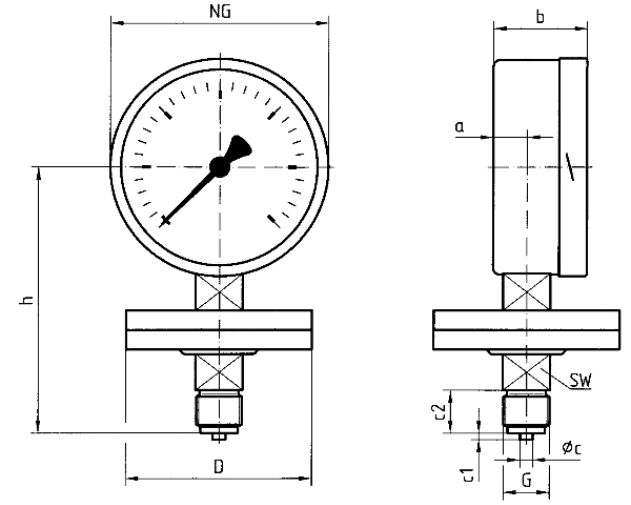
filling liquid
Glycerine

Options

- Safety housing
- Overpressure safety 10 x FSD (measuring flange ⌀ 100 to max. 40 bar, measuring flange ⌀ 160 to max. 2.5 bar)
- Glycerine filling (≥ 40 mbar, ≤ 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 ⌀ 100



Dimensions (mm)

NG	a	b	∅c	c1	c2	D	G	h	SW
100	20	55	6	3	20	100	G1½B	127	22

Versions

Range	Mounting type	Type		Part number
0/160 mbar	direct	PF100Gly D801	●	85907801

● in-stock items

○ Non-stock items