



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

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

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, galvanised

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

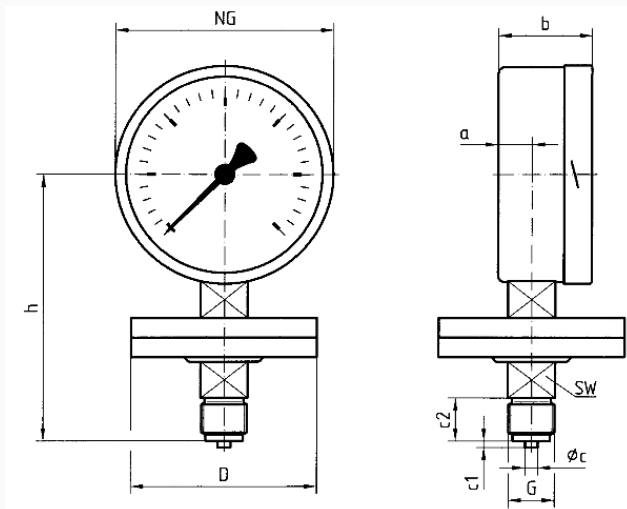
window
Instrument glass

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 (≥ 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 $\varnothing$ 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
0/10 mbar	direct	PF100 D401	●	85901401
0/16 mbar	direct	PF100 D401	●	85902401
0/25 mbar	direct	PF100 D401	●	85903401
0/40 mbar	direct	PF100 D401	●	85904401
0/60 mbar	direct	PF100 D401	●	85905401
0/100 mbar	direct	PF100 D401	●	85906401
0/160 mbar	direct	PF100 D401	●	85907401
0/250 mbar	direct	PF100 D401	●	85908401

● in-stock items

● Non-stock items