



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

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

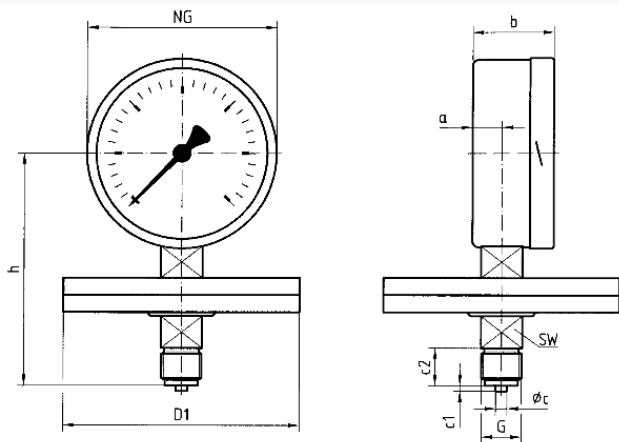
window
Instrument glass

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 $\varnothing$ 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	PF160 D401	●	85959401
0/0.6 bar	direct	PF160 D401	●	85960401
0/1 bar	direct	PF160 D401	●	85961401
0/1.6 bar	direct	PF160 D401	●	85962401
0/2.5 bar	direct	PF160 D401	●	85963401
0/4 bar	direct	PF160 D401	●	85964401
0/6 bar	direct	PF160 D401	●	85965401
0/10 bar	direct	PF160 D401	●	85966401
0/16 bar	direct	PF160 D401	●	85967401
0/25 bar	direct	PF160 D401	●	85968401

- in-stock items
- Non-stock items