



Standard Bourdon tube pressure gauge type D1

benefits

- extremely robust pressure gauge for offshore and onshore applications
- glass-fibre reinforced safety housing with solid baffle wall and blow-out
- integrated pressure compensation diaphragm
- tightness-tested with helium
- GOSSTANDART-certified

Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise. Specially suitable for the oil and chemical industries.

Technical Specifications

Type

D1

Nominal size

4.5

accuracy class (ASME B 40.100)

Grade 2A (correspond to an accuracy of 0.5 %)

ranges (EN 837-1/5)

see ordering table

application area

static load: Full scale value
dynamic load: 0.9 x full scale value
short-term: 1.3 x full scale value

Operating temperature range

Medium: max. 100 °C
Ambient: -40/+65 °C

Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:
at rising temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection

IP 67 (EN 60529)

Connection

Stainless steel 316 L
D102
bottom

Measuring element

Bourdon tube
 $\leq 60 \text{ bar}$: "C" type tube
 $> 60 \text{ bar}$: helical tube
tightness-tested with helium

movement

Stainless steel

Dial

Aluminium, white

Scaling: black

Pointer

micro-adjustable pointer

Brass, black

Housing

PP-GF20, black

with solid baffle wall and blow-out,

Integrated back flange

Screw type bezel

PP-GF20, black Internal

window

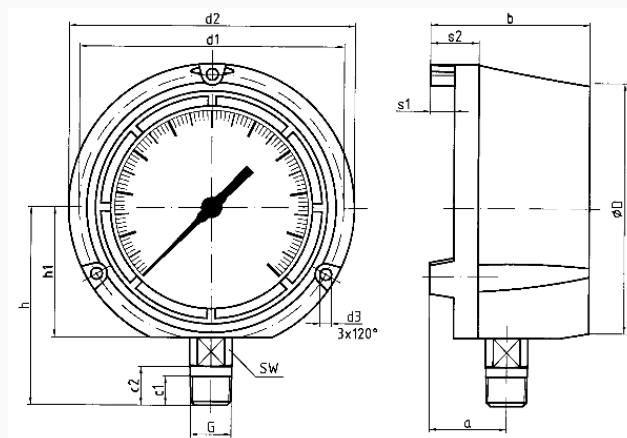
Plastic (PMMA)

Options

- Glycerine filling (type D 6)
- Silicone oil filling (type D 6)
- Measuring system copper alloy (type 1x1)
- Measuring system Monel (type 1x3)
- laminated safety glass window
- Reference pointer
- Maximum pointer
- Electrical contacts
- special scales
- other process connections

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	c1	c2	d1	d2	d3	ØD	G	h	h1	s1	s2	SW
4½"	40	82,5	15	20	137	148	6	129½-141	102	67	12,5	25	22	
NPT														

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	back flange	RF130PG D102	●	87901102
-1/+0.6 bar	back flange	RF130PG D102	●	87902102
-1/+1.5 bar	back flange	RF130PG D102	●	87903102
-1/+3 bar	back flange	RF130PG D102	●	87904102
-1/+5 bar	back flange	RF130PG D102	●	87905102
-1/+9 bar	back flange	RF130PG D102	●	87906102
-1/+15 bar	back flange	RF130PG D102	●	87907102
0/0.6 bar	back flange	RF130PG D102	●	87909102
0/1 bar	back flange	RF130PG D102	●	87910102
0/1.6 bar	back flange	RF130PG D102	●	87911102
0/2.5 bar	back flange	RF130PG D102	●	87912102
0/4 bar	back flange	RF130PG D102	●	87913102
0/6 bar	back flange	RF130PG D102	●	87914102
0/10 bar	back flange	RF130PG D102	●	87915102
0/16 bar	back flange	RF130PG D102	●	87916102
0/25 bar	back flange	RF130PG D102	●	87917102
0/40 bar	back flange	RF130PG D102	●	87918102
0/60 bar	back flange	RF130PG D102	●	87919102

0/100 bar	back flange	RF130PG D102	●	87920102
0/160 bar	back flange	RF130PG D102	●	87921102
0/250 bar	back flange	RF130PG D102	●	87922102
0/400 bar	back flange	RF130PG D102	●	87923102
0/600 bar	back flange	RF130PG D102	●	87924102

- in-stock items
- Non-stock items