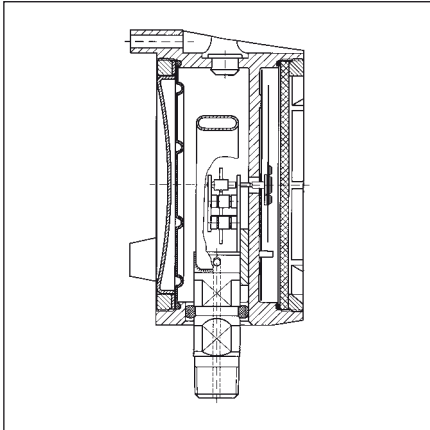


Bourdon tube pressure gauges type Process Gauge



Application

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

Type

D 1

Nominal size

4 1/2"

Accuracy class

Grade 2A according to ANSI B 40.1 (corresponds to class 0.5)

Ranges (EN 837-1/5)

-1/0 to -1/+15 bar
0/0.6 to 0/1,000 bar

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: $T_{max} = +100\text{ °C}$
Ambient: $T_{min} = -40\text{ °C}$
 $T_{max} = +65\text{ °C}$

Temperature performance

Indication error when the temperature of the measuring element deviates from 20 °C:
rising temp. approx. $\pm 0.3\%$ /10 K
falling temp. approx. $\pm 0.3\%$ /10 K
percentage of full scale value

Protection

IP 45 (EN 60529)

Standard version

Connection

Stainless steel AISI 316 Ti or 316 L,
bottom or bottom back
1/2-14 NPT – spanner size 22

Measuring element

Bourdon tube, stainless steel 316 Ti or 316 L
 ≤ 60 bar „C“ type bourdon tube
 > 60 bar helical tube
leak tested (EN 837-1/9.5.6)

Movement

Stainless steel

Dial

Aluminium, white
Dial marking black

Pointer

Micro-adjustable pointer
Brass, black
Gear brass, nickel plated

Housing

PP-GF20, black
with solid baffle wall
and blow-out
Integrated back flange

Screw type bezel

PP-GF20, black
internal

Front glass

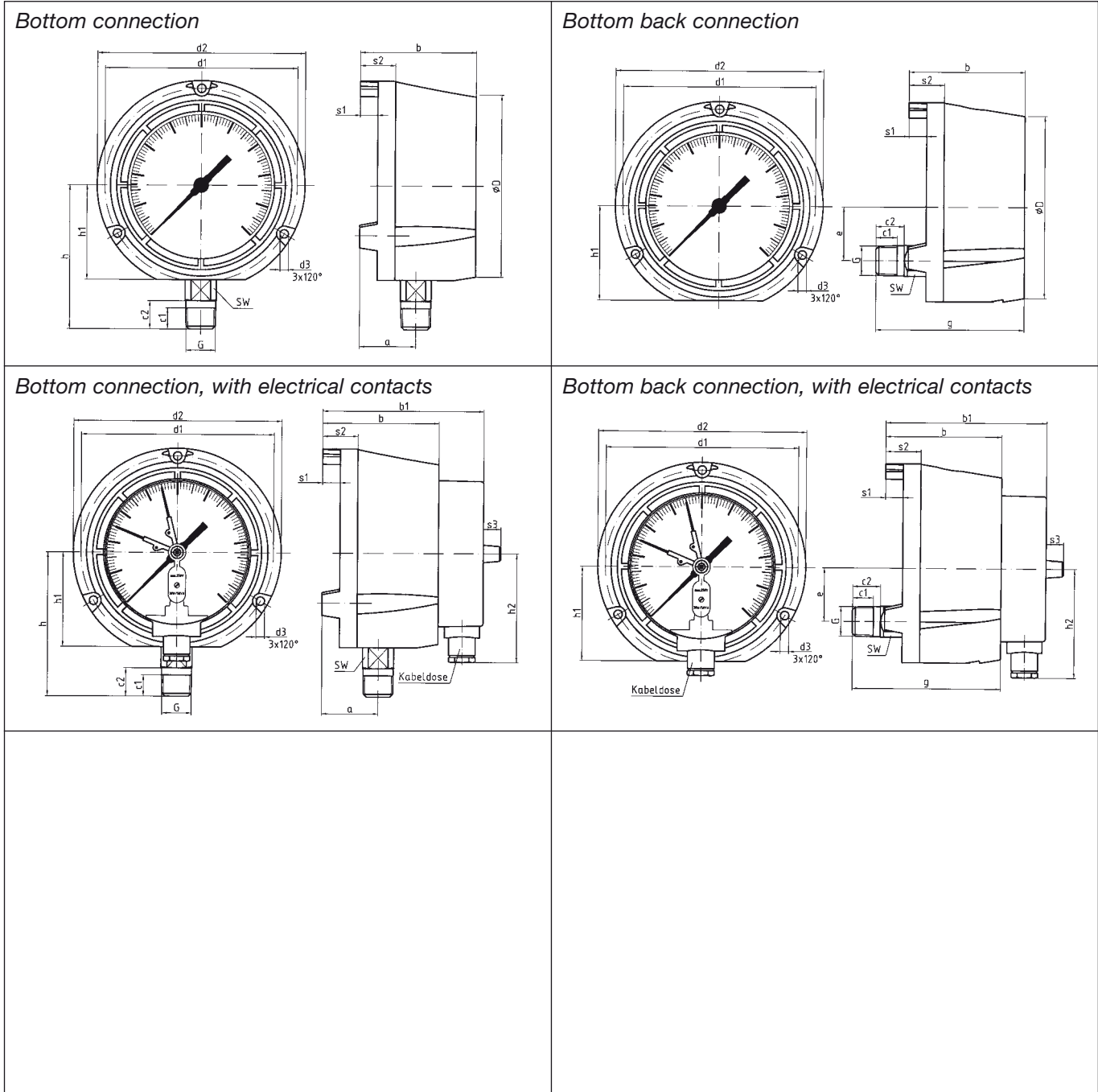
Plastic (PMMA)

Options

- Glycerine filling (type D6)
- Silicone oil filling (type D6)
- Special scales
- Copper alloy measuring system
- Monel measuring system
- Laminated safety front glass
- Damping screw
- Reference pointer
- Max. pointer
- Electrical contacts

Bourdon tube pressure gauges type Process Gauge Class 0.5 Type D 1/D 6 – NG 4 1/2"

Housing types and dimensions



Dimensions (mm)

Nominal size (NG)	a	b	b1	c1	c2	d1	d2	d3	ØD	e	G	g	h	h1	h2	s1	s2	s3	SW
4 1/2" (D 1/D 6)	40	82.5	114.5	15	20	137	148	6	129	38	1/2-14 NPT	105.5	102	67	78	12.5	25	12.5	22