

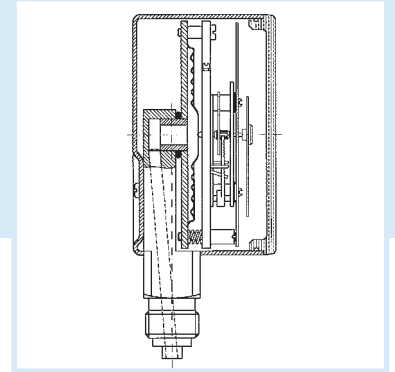
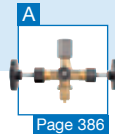
Standard capsule pressure gauges



EN 837-3



- With zero correction
- Optional overpressure or underpressure safety 10 x FSD
- Extremely low measuring range from 0/6 mbar
- GOSSTANDART-certified



Application For gaseous, dry media which do not attack copper alloys.
!For measuring gas or vapour, these gauges must be used in accordance with the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical specifications

Type
D 4

Nominal size
63 – 100 – 160

Accuracy class (EN 837-3/6)
1.6

Ranges (EN 837-3/5)
NG 63-100 0/25 to 0/1000 mbar
NG 160 0/6 to 0/1000 mbar
and all corresponding vacuum and compound ranges with overpressure protection

Application area
Static load: Full scale value
Dynamic load: 0.9 x full scale value
Overload safety: 1.3 x full scale value

Standard version

Connection
Brass, bottom or centre back
NG 63 G $\frac{1}{4}$ B – spanner size SW 14
NG 100 – 160 G $\frac{1}{2}$ B – spanner size SW 22
(EN 837-3/7.3)

Measuring element
Capsule element, CuBe alloy

Movement
Brass

Zero correction
From the front

Seal
NBR (Perbunan)

Operating temperature range

Medium: $T_{max} = +60\text{ }^{\circ}\text{C}$
Ambient: $T_{min} = -20\text{ }^{\circ}\text{C}$
 $T_{max} = +60\text{ }^{\circ}\text{C}$

Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of +20 °C:
Rising temperature approx. $\pm 0.6\text{ } \%/10\text{ K}$
Falling temperature approx. $\pm 0.6\text{ } \%/10\text{ K}$
of full scale value

Degree of protection

IP 32 (EN 60529)

Dial

Aluminium, white
Dial marking black

Pointer

Aluminium, black

Housing

Stainless steel 304

Bayonet bezel

Stainless steel 304

Window

Instrument glass

Options

- Overpressure safety 10 x FSD
- Back flange
- Panel mounting bezel for clamp fixing
- 3-hole fixing, panel mounting bezel
- Damping screw
- Reference pointer
- Special scales
- Other process connections

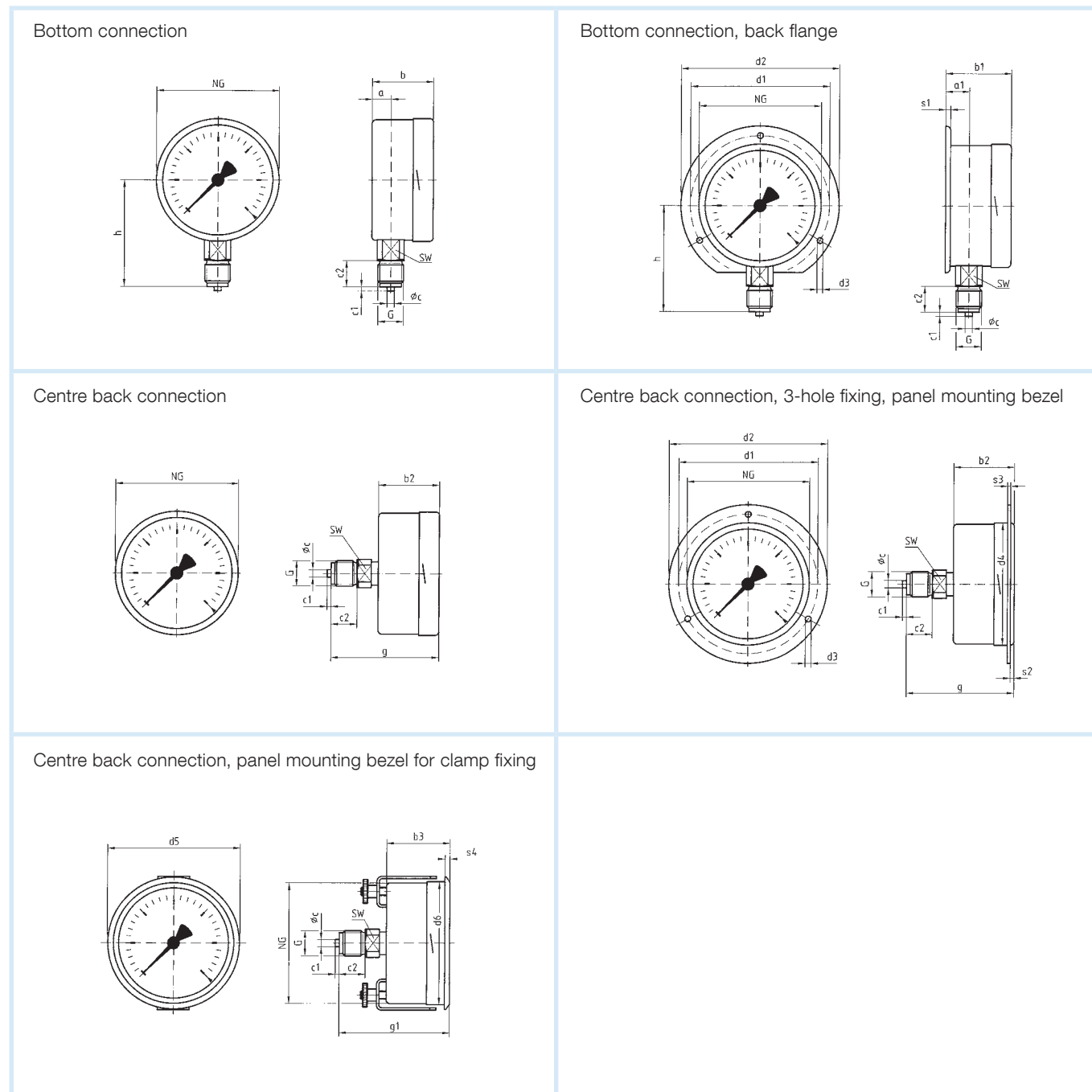


See page 237 for prices.

Standard capsule pressure gauges

Type D 4 – NG 63/100/160

Housing types and dimensions



Dimensions (mm)

Nominal size (NG)	a	a1	b	b1	b2	b3	ϕ_c	c1	c2	d1*	d2	d3*	d4	d5	d6	G	g	g1	h	s1	s2
63	10.8	13.4	40	42.1	37	37	5	2	13	75	85	3.5	64	68	64	G $\frac{1}{4}$ B	60	60	53	5.2	3
100	15.6	19.1	49	52.5	49	49	6	3	20	116	132	4.8	104	107	101	G $\frac{1}{2}$ B	81	81	86	5.5	4
160	17.5	20.5	50	53	50	52	6	3	20	178	196	5.8	164	167	161	G $\frac{1}{2}$ B	82	84	116	6	4
Nominal size (NG)	s3	s4	SW																		
63	2	3	14																		
100	2	4	22																		
160	2	4.5	22																		

* Dimensions for NG 100 according to DIN 16014