

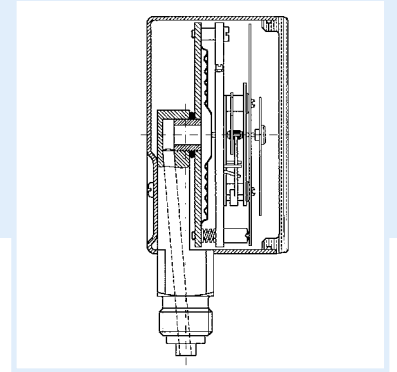
# Standard capsule pressure gauges



EN 837-3



- With zero correction
- Ideal for low pressure ranges
- GOSSTANDART-certified



**Application** For gaseous, dry media which do not attack copper alloys.

## Technical specifications

### Types

D2 / D3

### Nominal size

63 – 80 – 100

### Accuracy class (EN 837-3/6)

1.6

### Ranges (EN 837-3/5)

0/25 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

### Operating temperature range

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

### Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:

rising temperature approx.  $\pm 0.6\text{ \%/10 K}$   
falling temperature approx.  $\pm 0.6\text{ \%/10 K}$   
of full scale value

### Degree of protection

NG 63-80: IP 33 (EN 60529)  
NG 100: IP 44 (EN 60529)

## Standard version

### Connection

Brass, bottom or centre back  
NG 63 G $\frac{1}{4}$ B – spanner size SW 14  
NG 80 - 100 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)

### Dial

Aluminium, white  
Dial marking black

### Pointer

Aluminium, black

### Housing

D 2 – black, sheet steel  
D 3 – stainless steel 304

### Window

Clip-in plastic

## Options

- Back flange
- Panel mounting bezel (D3)
- 3-hole fixing, panel mounting bezel
- Measuring system stainless steel (NG 100)
- Damping screw
- Reference pointer
- Special scales
- Other process connections

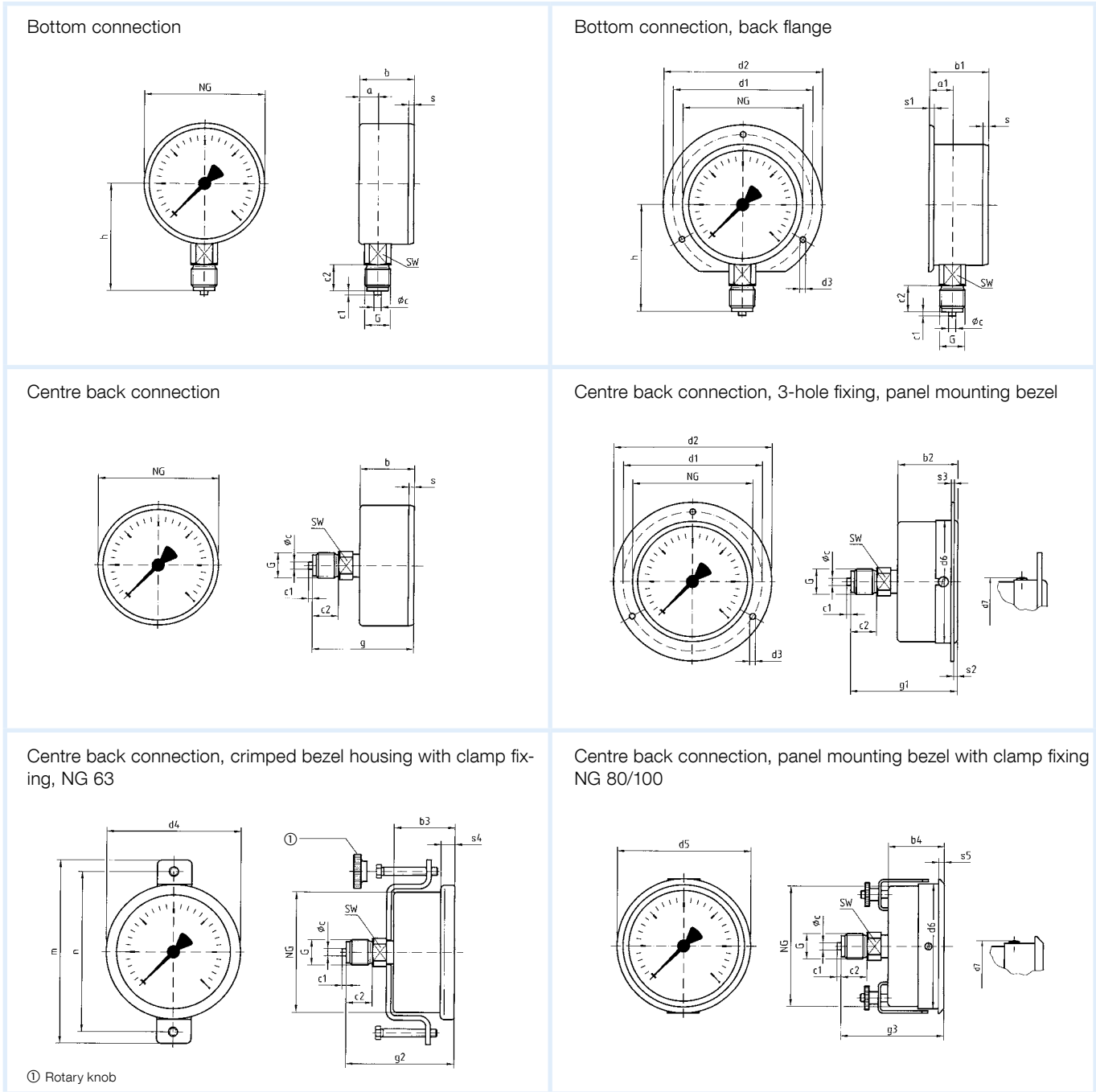


See page 11 for prices.

# Standard capsule pressure gauges

Type D 2/D 3 – NG 63/80/100

## 1 Housing types and dimensions



### Dimensions (mm)

Nominal size (NG)	a	a1	b	b1	b2	b3	b4	$\phi_c$	c1	c2	d1*	d2	d3*	d4	d5	d6	d7	G	g	g1	g2
63	9.5	12	33.7	36.2	35.7	30.5	-	5	2	13	75	85	3.5	68	68	64	66	G $\frac{1}{4}$ B	56.7	58.7	53.5
80	14.8	17.8	43.3	46.3	44.6	-	46.5	6	3	20	95	110	4.8	-	86	81	83	G $\frac{1}{2}$ B	75.3	76.6	-
100	15.6	19.1	44	47.5	45.6	-	47	6	3	20	116	132	4.8	-	107	101	105	G $\frac{1}{2}$ B	76	77.6	-
Nominal size (NG)	g3	h	m	n	s	s1	s2	s3	s4	s5	SW										
63	-	52.7	94	82	3.7	5.5	3	2	7	4	14										
80	78	69	-	-	3.8	5.5	3.5	2	-	4.5	22										
100	79	87	-	-	3.5	5.5	3.5	2	-	4.5	22										

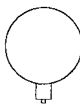

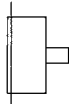
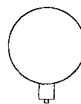

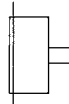

\* Dimensions for NG 100 according to DIN 16014.

# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

1

Type	KP100, D201	KP100, D211	KP100, D221	KP63, D301	KP63, D311	KP63, D331	KP63, D351
Version							
Housing Ø	100	100	100	63	63	63	63
Housing	Black sheet steel, plastic, clip-in window			Stainless steel 304, plastic clip-in window			
Measuring element	Capsule element, CuBe alloy			Capsule element, CuBe alloy			
Accuracy class	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Connection	G½B	G½B	G½B	G¼B	G¼B	G¼B	G¼B
			3-hole fixing, panel mounting bezel, black			3-hole fixing, panel mounting bezel, stainless steel 304, polished	Clamp fixing
Range (mbar)	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
<b>Price €</b>							
-25/0	35104201	35104211	35104221	35004301	35004311	35004331	35004351
-40/0	35105201	35105211	35105221	35005301	35005311	35005331	35005351
-60/0	35106201	35106211	35106221	35006301	35006311	35006331	35006351
-100/0	35107201	35107211	35107221	35007301	35007311	35007331	35007351
-160/0	35108201	35108211	35108221	35008301	35008311	35008331	35008351
-250/0	35109201	35109211	35109221	35009301	35009311	35009331	35009351
-400/0	35110201	35110211	35110221	35010301	35010311	35010331	35010351
-600/0	35111201	35111211	35111221	35011301	35011311	35011331	35011351
-1000/0	35112201	35112211	35112221	35012301	35012311	35012331	35012351
<b>Price €</b>							
0/25	<b>35116201</b>	35116211	35116221	<b>35016301</b>	35016311	35016331	35016351
0/40	<b>35117201</b>	35117211	35117221	<b>35017301</b>	35017311	35017331	35017351
0/60	<b>35118201</b>	35118211	35118221	<b>35018301</b>	35018311	35018331	35018351
0/100	<b>35119201</b>	35119211	35119221	<b>35019301</b>	35019311	35019331	35019351
0/160	<b>35120201</b>	35120211	35120221	<b>35020301</b>	35020311	35020331	35020351
0/250	<b>35121201</b>	35121211	35121221	<b>35021301</b>	35021311	35021331	35021351
0/400	<b>35122201</b>	35122211	35122221	<b>35022301</b>	35022311	35022331	35022351
0/600	<b>35123201</b>	35123211	35123221	<b>35023301</b>	35023311	35023331	35023351
0/1000	<b>35124201</b>	35124211	35124221	35024301	35024311	35024331	35024351

Minimum order quantity for non-stock items = 10 pieces.

Blue part no. = in-stock items





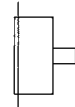



See page 20 for extra charges.

# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

1

Type	KP80, D301	KP80, D311	KP80, D331	KP80, D351	KP100, D301	KP100, D311
Version						
Housing Ø	80	80	80	80	100	100
Housing	Stainless steel 304, plastic clip-in window					
Measuring element	Capsule element, CuBe alloy					
Accuracy class	1.6	1.6	1.6	1.6	1.6	1.6
Connection	G½B	G½B	G½B	G½B	G½B	G½B
			3-hole fixing, panel mounting bezel, chrome-plated	Panel mounting bezel, chrome plated, with clamp fixing		
Range (mbar)	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
<b>Price €</b>						
-25/0	35054301	35054311	35054331	35054351	35104301	35104311
-40/0	35055301	35055311	35055331	35055351	35105301	35105311
-60/0	35056301	35056311	35056331	35056351	35106301	35106311
-100/0	35057301	35057311	35057331	35057351	35107301	35107311
-160/0	35058301	35058311	35058331	35058351	35108301	35108311
-250/0	35059301	35059311	35059331	35059351	35109301	35109311
-400/0	35060301	35060311	35060331	35060351	35110301	35110311
-600/0	35061301	35061311	35061331	35061351	35111301	35111311
-1000/0	35062301	35062311	35062331	35062351	35112301	35112311
<b>Price €</b>						
0/25	<b>35066301</b>	35066311	35066331	35066351	<b>35116301</b>	35116311
0/40	<b>35067301</b>	35067311	35067331	35067351	<b>35117301</b>	35117311
0/60	<b>35068301</b>	35068311	35068331	35068351	<b>35118301</b>	35118311
0/100	<b>35069301</b>	35069311	35069331	35069351	<b>35119301</b>	35119311
0/160	<b>35070301</b>	35070311	35070331	35070351	<b>35120301</b>	35120311
0/250	<b>35071301</b>	35071311	35071331	35071351	<b>35121301</b>	35121311
0/400	<b>35072301</b>	35072311	35072331	35072351	<b>35122301</b>	35122311
0/600	<b>35073301</b>	35073311	35073331	35073351	<b>35123301</b>	35123311
0/1000	35074301	35074311	35074331	35074351	35124301	35124311

Minimum order quantity for non-stock items = 10 pieces.

Blue part no. = in-stock items



See page 20 for extra charges.