

# Standard capsule pressure gauges



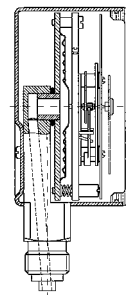
EN 837-3



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



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**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 0/1,000 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.  $\pm 0.6\text{ %}/10\text{ K}$   
falling temperature approx.  $\pm 0.6\text{ %}/10\text{ K}$   
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

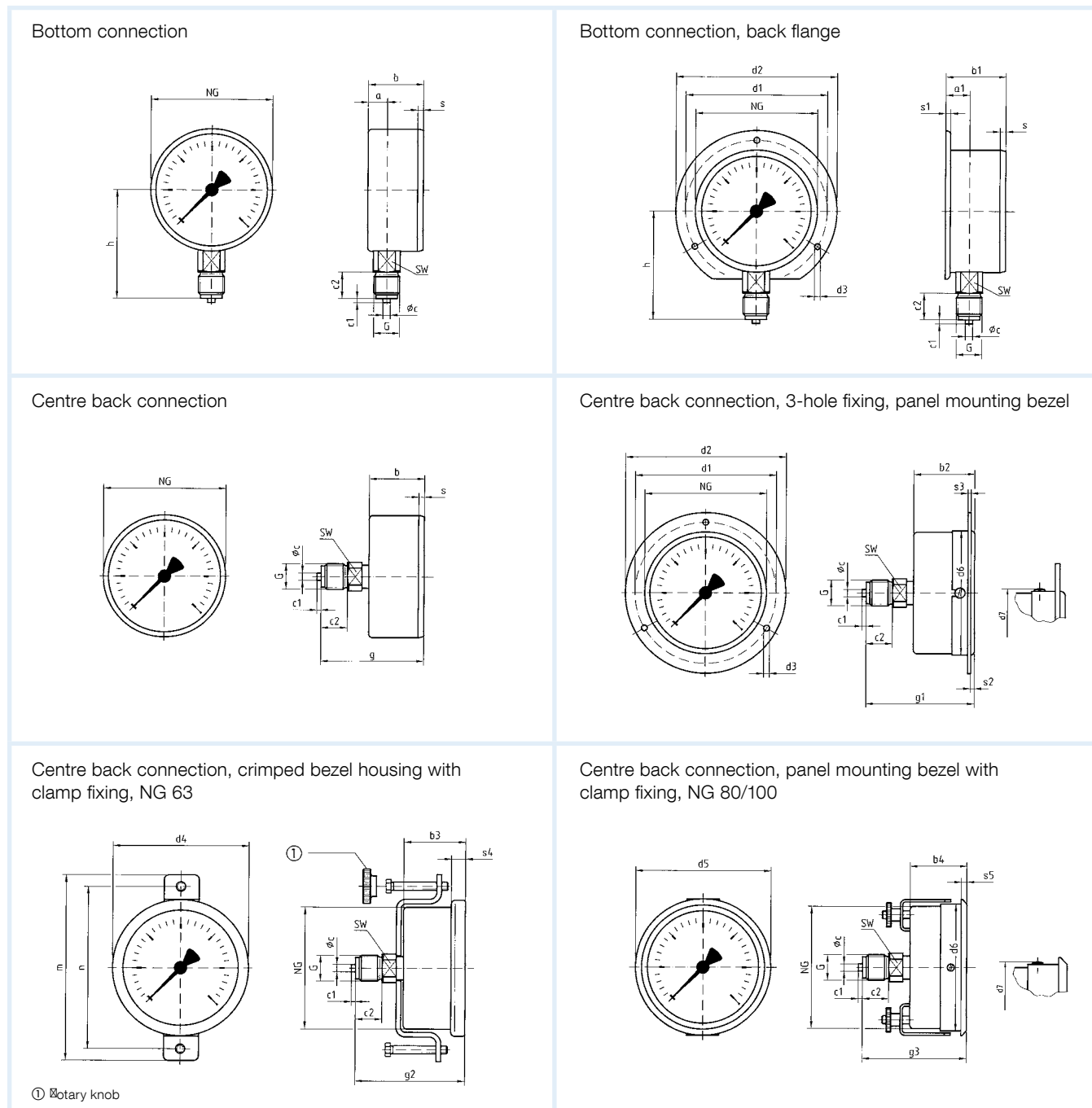
## Options

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

# Standard capsule pressure gauges

Type D 2/D 3 – NG 63/80/100

## Housing types and dimensions



### Dimensions (mm)

Nominal size (NG)	a	a1	b	b1	b2	b3	b4	Øc	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	G1/4B	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	G1/2B	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	G3/2B	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.

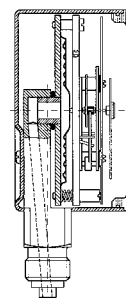
# Standard capsule pressure gauges



EN 837-3



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



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

## Technical specifications

### Type

D 4

### Nominal size

63 – 100 – 160

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

1.6 (25 to 1,000 mbar)  
4 at NG 160 (6 to 16 mbar)

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

NG 63-100: 0/25 to 0/1,000 mbar  
NG 160: 0/6 to 0/1,000 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.  $\pm 0.6\text{ %}/10\text{ K}$   
falling temperature approx.  $\pm 0.6\text{ %}/10\text{ K}$   
of full scale value

### Degree of protection

NG 63-160: IP 33 (EN 60529)  
NG 100: IP 54 (EN 60529)

## 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)

### Dial

Aluminium, white  
Dial marking black

### Pointer

Aluminium, black

### Housing

Stainless steel 304

### Bayonet type bezel

Stainless steel 304

### Window

Instrument glass  
Panel mounted devices (types D 431/451):  
Plastic (PMMA)

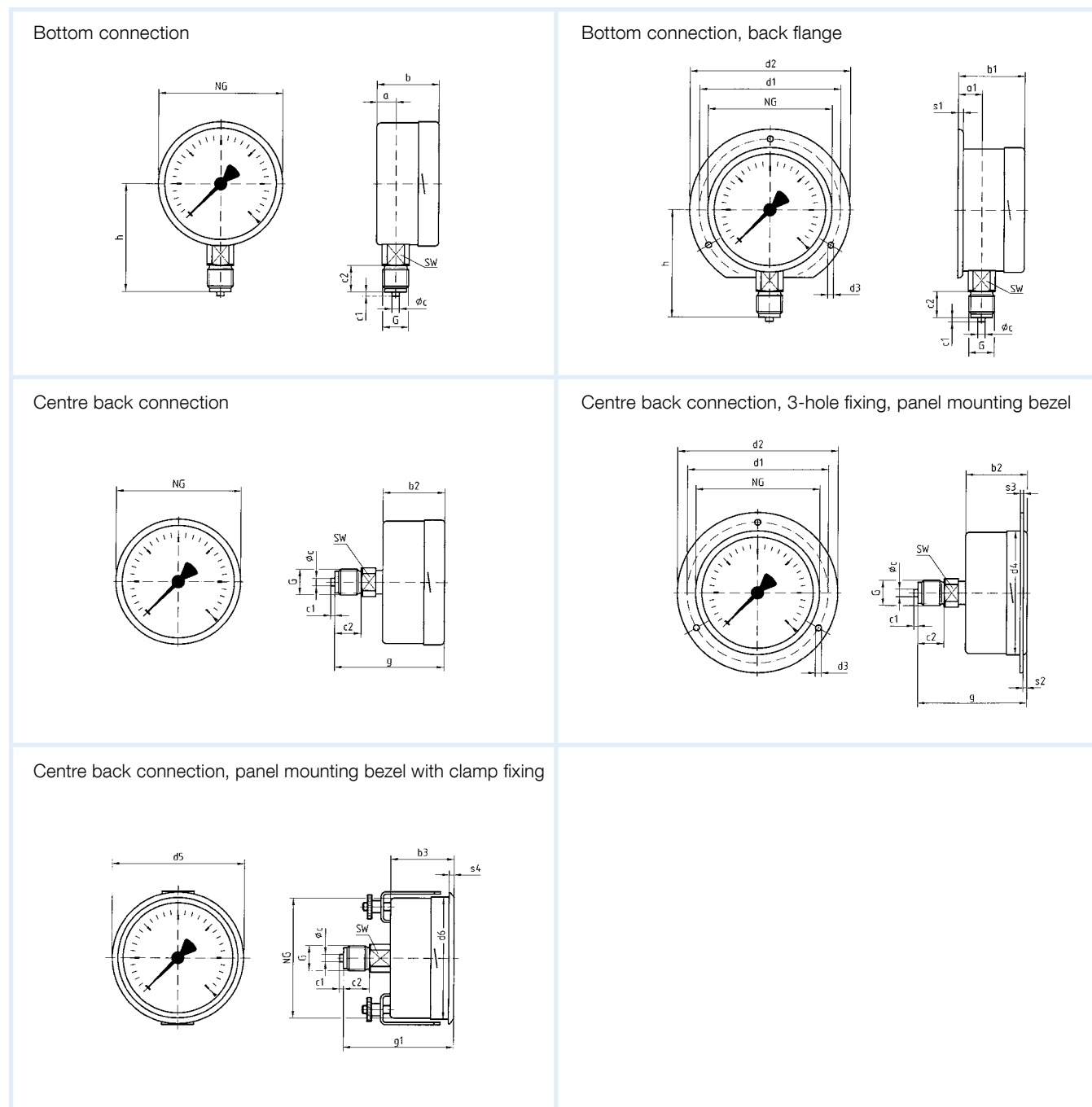
## Options

- Overpressure and underpressure safety 10 x FSD
- Back flange
- Panel mounting bezel, with window, plastic
- 3-hole fixing, panel mounting bezel with window, plastic
- Throttle screw
- Reference pointer
- Special scales
- Other process connections

# Standard capsule pressure gauges

Type D 4 – NG 63/100/160

## Housing types and dimensions



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### Dimensions (mm)




Nominal size (NG)	a	a1	b	b1	b2	b3	$\phi_c$	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.

# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

Type	KP63, D201	KP63, D211	KP80, D201
Version			
Housing Ø	63	63	80
Housing	Black sheet steel, plastic clip-in window		
Measuring element	Capsule element, CuBe alloy		
Accuracy class	1.6	1.6	1.6
Connection	G¼B	G¼B	G½B
<b>Range (mbar)</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>
-25/0	35004201	35004211	35054201
-40/0	35005201	35005211	35055201
-60/0	35006201	35006211	35056201
-100/0	35007201	35007211	35057201
-160/0	35008201	35008211	35058201
-250/0	35009201	35009211	35059201
-400/0	35010201	35010211	35060201
-600/0	35011201	35011211	35061201
-1,000/0	35012201	35012211	35062201
0/25	<b>35016201</b>	35016211	<b>35066201</b>
0/40	<b>35017201</b>	35017211	<b>35067201</b>
0/60	<b>35018201</b>	35018211	<b>35068201</b>
0/100	<b>35019201</b>	35019211	<b>35069201</b>
0/160	<b>35020201</b>	35020211	<b>35070201</b>
0/250	<b>35021201</b>	35021211	<b>35071201</b>
0/400	<b>35022201</b>	35022211	<b>35072201</b>
0/600	<b>35023201</b>	35023211	35073201
0/1,000	<b>35024201</b>	35024211	35074201

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

Blue part no. = in-stock items

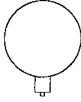

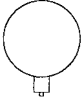

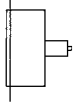



See page 374 for options.

# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

Type	KP100, D201	KP100, D211	KP63, D301	KP63, D311	KP63, D331	KP63, D351
Version						
Housing Ø	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
Connection	G½B	G½B	G¼B	G¼B	G¼B	G¼B
					3-hole fixing, panel mounting bezel, stainless steel 304, polished	Clamp fixing
<b>Range (mbar)</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>
-25/0	35104201	35104211	35004301	35004311	35004331	35004351
-40/0	35105201	35105211	35005301	35005311	35005331	35005351
-60/0	35106201	35106211	35006301	35006311	35006331	35006351
-100/0	35107201	35107211	35007301	35007311	35007331	35007351
-160/0	35108201	35108211	35008301	35008311	35008331	35008351
-250/0	35109201	35109211	35009301	35009311	35009331	35009351
-400/0	35110201	35110211	35010301	35010311	35010331	35010351
-600/0	35111201	35111211	35011301	35011311	35011331	35011351
-1,000/0	35112201	35112211	35012301	35012311	35012331	35012351
0/25	<b>35116201</b>	35116211	<b>35016301</b>	35016311	35016331	35016351
0/40	<b>35117201</b>	35117211	<b>35017301</b>	35017311	35017331	35017351
0/60	<b>35118201</b>	35118211	<b>35018301</b>	35018311	35018331	35018351
0/100	<b>35119201</b>	35119211	<b>35019301</b>	35019311	35019331	35019351
0/160	<b>35120201</b>	35120211	<b>35020301</b>	35020311	35020331	35020351
0/250	<b>35121201</b>	35121211	<b>35021301</b>	35021311	35021331	35021351
0/400	<b>35122201</b>	35122211	<b>35022301</b>	35022311	35022331	35022351
0/600	<b>35123201</b>	35123211	<b>35023301</b>	35023311	35023331	35023351
0/1,000	<b>35124201</b>	35124211	35024301	35024311	35024331	35024351

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

Blue part no. = in-stock items

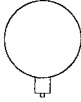

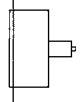

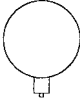



See page 374 for options.

# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

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		
<b>Range (mbar)</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</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
-1,000/0	35062301	35062311	35062331	35062351	35112301	35112311
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
0/1,000	35074301	35074311	35074331	35074351	35124301	35124311

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

Blue part no. = in-stock items

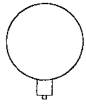

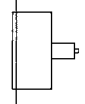

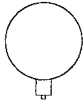

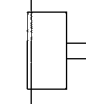



See page 374 for options.

# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

Type	KP63, D401	KP63, D411	KP63, D431	KP63, D451	KP100, D401	KP100, D411	KP100, D431	KP100, D451
Version								
Housing Ø	63	63	63	63	100	100	100	100
Housing	Stainless steel 304 with bayonet bezel, window, see data sheet							
Measuring element	Capsule element, CuBe alloy							
Accuracy class	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Connection	G¼B	G¼B	G¼B	G¼B	G½B	G½B	G½B	G½B
			3-hole fixing, panel mounting bezel 304 polished	Panel mounting bezel, 304, polished, with clamp fixing			3-hole fixing, panel mounting bezel 304 polished	Panel mounting bezel, 304, polished, with clamp fixing
<b>Range (mbar)</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>
-25/0	35004401	35004411	35004431	35004451	35104401	35104411	35104431	35104451
-40/0	35005401	35005411	35005431	35005451	35105401	35105411	35105431	35105451
-60/0	35006401	35006411	35006431	35006451	35106401	35106411	35106431	35106451
-100/0	35007401	35007411	35007431	35007451	35107401	35107411	35107431	35107451
-160/0	35008401	35008411	35008431	35008451	35108401	35108411	35108431	35108451
-250/0	35009401	35009411	35009431	35009451	35109401	35109411	35109431	35109451
-400/0	35010401	35010411	35010431	35010451	35110401	35110411	35110431	35110451
-600/0	35011401	35011411	35011431	35011451	35111401	35111411	35111431	35111451
-1,000/0	35012401	35012411	35012431	35012451	35112401	35112411	35112431	35112451
0/25	35016401	35016411	35016431	35016451	35116401	35116411	35116431	35116451
0/40	35017401	35017411	35017431	35017451	<b>35117401</b>	35117411	35117431	35117451
0/60	35018401	35018411	35018431	35018451	<b>35118401</b>	35118411	35118431	35118451
0/100	35019401	35019411	35019431	35019451	<b>35119401</b>	35119411	35119431	35119451
0/160	35020401	35020411	35020431	35020451	<b>35120401</b>	35120411	35120431	35120451
0/250	35021401	35021411	35021431	35021451	<b>35121401</b>	35121411	35121431	35121451
0/400	35022401	35022411	35022431	35022451	<b>35122401</b>	35122411	35122431	35122451
0/600	35023401	35023411	35023431	35023451	35123401	35123411	35123431	35123451
0/1,000	35024401	35024411	35024431	35024451	35124401	35124411	35124431	35124451

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

Blue part no. = in-stock items



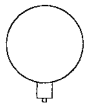

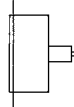

See page 374 for options.



# Standard capsule pressure gauges

EN 837-3

DG: M, PG: 2

Type	KP160, D401	KP160, D411	KP160, D431	KP160, D451
Version				
Housing Ø	160	160	160	160
Housing	Stainless steel 304 with bayonet bezel			
Measuring element	Capsule element, CuBe alloy			
Accuracy class	1.6*	1.6*	1.6*	1.6*
Connection	G $\frac{1}{2}$ B	G $\frac{1}{2}$ B	G $\frac{1}{2}$ B	G $\frac{1}{2}$ B
			3-hole fixing, panel mounting bezel, 304, polished	Panel mounting bezel, 304, polished, with clamp fixing
<b>Range (mbar)</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>
-6/0	35151401	35151411	35151431	35151451
-10/0	35152401	35152411	35152431	35152451
-16/0	35153401	35153411	35153431	35153451
-25/0	35154401	35154411	35154431	35154451
-40/0	35155401	35155411	35155431	35155451
-60/0	35156401	35156411	35156431	35156451
-100/0	35157401	35157411	35157431	35157451
-160/0	35158401	35158411	35158431	35158451
-250/0	35159401	35159411	35159431	35159451
-400/0	35160401	35160411	35160431	35160451
-600/0	35161401	35161411	35161431	35161451
-1,000/0	35162401	35162411	35162431	35162451
0/6	35163401	35163411	35163431	35163451
0/10	35164401	35164411	35164431	35164451
0/16	35165401	35165411	35165431	35165451
0/25	35166401	35166411	35166431	35166451
0/40	35167401	35167411	35167431	35167451
0/60	35168401	35168411	35168431	35168451
0/100	35169401	35169411	35169431	35169451
0/160	35170401	35170411	35170431	35170451
0/250	35171401	35171411	35171431	35171451
0/400	35172401	35172411	35172431	35172451
0/600	35173401	35173411	35173431	35173451
0/1,000	35174401	35174411	35174431	35174451

\*  $\leq 16$  mbar = accuracy class 4.

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

Blue part no. = in-stock items



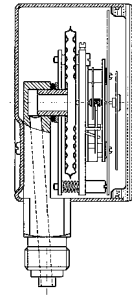
See page 374 for options.

# Capsule pressure gauges for chemical applications

EN 837-3



- With zero correction
- Robust stainless steel housing (with bayonet bezel)
- Wetted parts and movement made of stainless steel
- GOSSTANDART-certified
- Ex version (optional)



**Application** For corrosive gaseous and dry media, also for use in corrosive environments.

## Technical specifications

**Type**  
D 4

**Nominal size**  
63 – 100 – 160

**Accuracy class (EN 837-3/6)**  
1.6

**Ranges (EN 837-3/5)**  
0/25 to 0/1,000 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:  $T_{max} = +100\text{ °C}$   
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.  $\pm 0.6\text{ %}/10\text{ K}$   
falling temperature approx.  $\pm 0.6\text{ %}/10\text{ K}$   
of full scale value

## Degree of protection

IP 32 (EN 60529)

## Standard version

**Connection**  
Stainless steel 316 Ti/316 L,  
bottom or centre back  
NG 63 G $\frac{1}{4}$ B – spanner size SW 14  
NG 100 – 100 G $\frac{1}{2}$ B – spanner size SW 22 (EN 837-3/7.3)

**Measuring element**  
Capsule element, stainless steel 316 Ti/316 L

**Movement**  
Stainless steel

**Zero correction**  
From the front

**Seal**  
FKM (Viton)

## Dial

Aluminium, white  
Dial marking black

## Pointer

Aluminium, black

## Housing

Stainless steel 304

## Bayonet type bezel

Stainless steel 304

## Window

Laminated safety glass  
Panel mounted devices (types D 432/452):  
Plastic (PMMA)

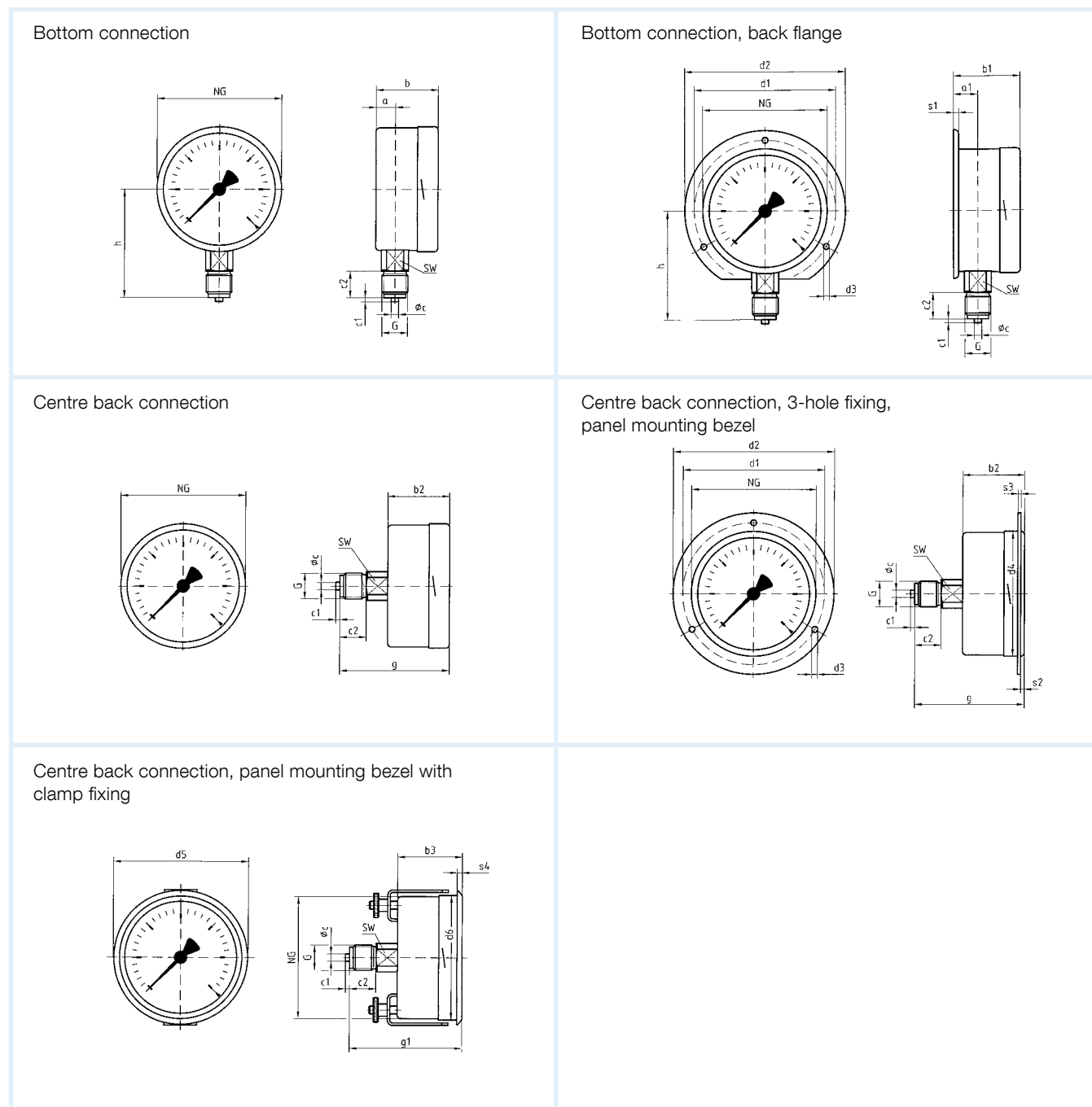
## Options

- Back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Ex version
- Throttle screw
- Special scales
- Other process connections

# Capsule pressure gauge for chemical applications

Type D 4 – NG 63/100/160

## Housing types and dimensions



### Dimensions (mm)









Nominal size (NG)	a	a1	b	b1	b2	b3	$\phi_c$	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.

# Capsule pressure gauges for chemical applications

EN 837-3

DG: M, PG: 3

Type	KP63Ch, D402	KP63Ch, D412	KP63Ch, D432	KP63Ch, D452	KP100Ch, D402	KP100Ch, D412	KP100Ch, D432	KP100Ch, D452
Version								
Housing Ø	63	63	63	63	100	100	100	100
Housing	Stainless steel 304 with bayonet bezel, window, see data sheet							
Measuring element	Capsule element, stainless steel 316 Ti/316 L							
Accuracy class	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Connection	G¼B	G¼B	G¼B	G¼B	G½B	G½B	G½B	G½B
			3-hole fixing, panel mounting bezel 304 pol- ished	Panel mounting bezel 304 with clamp fixing			3-hole fixing, panel mounting bezel 304 pol- ished	Panel mounting bezel 304 with clamp fixing
Range (mbar)	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
-25/0	35004402	35004412	35004432	35004452	35104402	35104412	35104432	35104452
-40/0	35005402	35005412	35005432	35005452	35105402	35105412	35105432	35105452
-60/0	35006402	35006412	35006432	35006452	35106402	35106412	35106432	35106452
-100/0	35007402	35007412	35007432	35007452	35107402	35107412	35107432	35107452
-160/0	35008402	35008412	35008432	35008452	35108402	35108412	35108432	35108452
-250/0	35009402	35009412	35009432	35009452	35109402	35109412	35109432	35109452
-400/0	35010402	35010412	35010432	35010452	35110402	35110412	35110432	35110452
-600/0	35011402	35011412	35011432	35011452	35111402	35111412	35111432	35111452
-1,000/0	35012402	35012412	35012432	35012452	35112402	35112412	35112432	35112452
0/25	35016402	35016412	35016432	35016452	35116402	35116412	35116432	35116452
0/40	35017402	35017412	35017432	35017452	35117402	35117412	35117432	35117452
0/60	35018402	35018412	35018432	35018452	<b>35118402</b>	35118412	35118432	35118452
0/100	35019402	35019412	35019432	35019452	<b>35119402</b>	35119412	35119432	35119452
0/160	35020402	35020412	35020432	35020452	<b>35120402</b>	35120412	35120432	35120452
0/250	35021402	35021412	35021432	35021452	<b>35121402</b>	35121412	35121432	35121452
0/400	35022402	35022412	35022432	35022452	<b>35122402</b>	35122412	35122432	35122452
0/600	35023402	35023412	35023432	35023452	35123402	35123412	35123432	35123452
0/1,000	35024402	35024412	35024432	35024452	35124402	35124412	35124432	35124452

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

Blue part no. = in-stock items

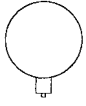

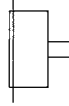



See page 374 for options.

# Capsule pressure gauges for chemical applications

EN 837-3

DG: M, PG: 3

Type	KP160Ch, D402	KP160Ch, D412	KP160Ch, D432	KP160Ch, D452
Version				
Housing Ø	160	160	160	160
Housing	Stainless steel 304 with bayonet bezel, window, see data sheet			
Measuring element	Capsule element, stainless steel 316 Ti/316 L			
Accuracy class	1.6	1.6	1.6	1.6
Connection	G½B	G½B	G½B	G½B
			3-hole fixing, panel mounting bezel, 304, polished	Panel mounting bezel 304, with clamp fixing
<b>Range (mbar)</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>
-25/0	35154402	35154412	35154432	35154452
-40/0	35155402	35155412	35155432	35155452
-60/0	35156402	35156412	35156432	35156452
-100/0	35157402	35157412	35157432	35157452
-160/0	35158402	35158412	35158432	35158452
-250/0	35159402	35159412	35159432	35159452
-400/0	35160402	35160412	35160432	35160452
-600/0	35161402	35161412	35161432	35161452
-1,000/0	35162402	35162412	35162432	35162452
0/25	35166402	35166412	35166432	35166452
0/40	35167402	35167412	35167432	35167452
0/60	35168402	35168412	35168432	35168452
0/100	35169402	35169412	35169432	35169452
0/160	35170402	35170412	35170432	35170452
0/250	35171402	35171412	35171432	35171452
0/400	35172402	35172412	35172432	35172452
0/600	35173402	35173412	35173432	35173452
0/1,000	35174402	35174412	35174432	35174452

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

Blue part no. = in-stock items



See page 374 for options.

# Options for capsule pressure gauges

DG: M

Housing diameter (mm)	PG	63	80	100	160
Description		Part no.	Part no.	Part no.	Part no.
Overpressure safety 10 x FSD for ranges > 25 mbar (only for measuring system brass/CuBe, only for instruments with bayonet bezel)	2	38192	---	38194	38195
Overpressure and underpressure safety 10 x FSD for ranges > 25 mbar (only for measuring system brass/CuBe, only for gauges with bayonet bezel)	2	38197	---	38199	38200
Accuracy class 1.0 (only for Ms/CuBe measuring systems)	0	---	---	38180	38181
3-hole fixing, panel mounting bezel, stainless steel 304 (only for gauges with bayonet bezel, also for bottom connection)	3	37608	---	37609	37610
Back flange, stainless steel 304, bare metal surface (only for gauges with stainless steel housing)	3	38048	38049	38050	38051
Housing stainless steel 304 polished	0	37611	37612	37613	37614
Bayonet bezel stainless steel 304 polished	0	38052		38053	38055
Laminated safety glass window (only for gauges with bayonet bezel)	-	38072		38074	38075
Connection socket nickel-plated	3	38084	38085	38086	38087
Connection socket with special thread	-	On request	On request	On request	On request
Throttle screw brass – hole 0.3 – 0.5 – 0.7 mm (please specify)	2	38097	38098	38099	38100
Throttle screw stainless steel 316 Ti – hole 0.3 – 0.5 – 0.7 mm (please specify)	3	38103	38104	38105	38106
Red mark on dial	0	38184	38185	38186	38187
1 reference pointer red – external screwdriver adjustment (window = plastic)	1	38115	38116	38117	---
1 reference pointer red – external rotary knob adjustment (window = plastic)	1	38188	38189	38190	38191
Max pointer – for ranges greater than 0/250 mbar (only for gauges without filling, not possible for overpressure safety 10 x FSD or overpressure/underpressure safety 10 x FSD as well as negative ranges)	1	38127	38128	38129	38130
Special mounting position	-	38147	38148	38149	38150
Oil and grease removed from wetted parts (not for oxygen!), label "Oil and grease free" (only for stainless steel measuring system)	0	37615	37616	37617	37618
Glycerine/water filling, only for pressure gauges for chemical applications with positive ranges $\geq$ 60 mbar, accuracy class 2.5 at increasing pressure	-	37619	---	37620	37621
Higher degree of protection IP 54 (only for gauges with bayonet bezel)	1	---	---	38160	---
Printing block costs per scale and colour (scale design as per EN 837-3, others on request)	0	38153	38154	38155	38156
Additional colour	0	38165	38166	38167	38168

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

Blue part no. = in-stock items



See the overview "Accessories for panel mounting and wall mounting" on page 511.

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