

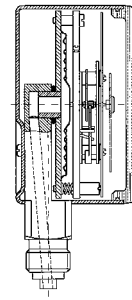
Standard capsule pressure gauges



EN 837-3



- **Housing: Sheet steel or stainless steel version**
- **With zero correction**
- **Ideal for low pressure ranges**
- **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

Types

D2 / D3

Nominal size

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

IP 44 (EN 60529)

Connection

Brass, bottom
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

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DG: M, PG: 2	Housing	Part no.	Prices €
KP100 D201, 0/25 mbar	Sheet steel	35116201	
KP100 D201, 0/40 mbar	Sheet steel	35117201	
KP100 D201, 0/60 mbar	Sheet steel	35118201	
KP100 D201, 0/100 mbar	Sheet steel	35119201	
KP100 D201, 0/160 mbar	Sheet steel	35120201	
KP100 D201, 0/250 mbar	Sheet steel	35121201	
KP100 D201, 0/400 mbar	Sheet steel	35122201	
KP100 D201, 0/600 mbar	Sheet steel	35123201	
KP100 D201, 0/1,000 mbar	Sheet steel	35124201	
KP100 D301, 0/25 mbar	Stainless steel	35116301	
KP100 D301, 0/40 mbar	Stainless steel	35117301	
KP100 D301, 0/60 mbar	Stainless steel	35118301	
KP100 D301, 0/100 mbar	Stainless steel	35119301	
KP100 D301, 0/160 mbar	Stainless steel	35120301	
KP100 D301, 0/250 mbar	Stainless steel	35121301	
KP100 D301, 0/400 mbar	Stainless steel	35122301	
KP100 D301, 0/600 mbar	Stainless steel	35123301	

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See the catalogue
INDUSTRIAL TECHNOLOGY
for other versions.

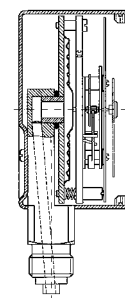
Standard capsule pressure gauges



EN 837-3



- **Housing:** Stainless steel version with bayonet bezel
- **With zero correction**
- **Optional overpressure and/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

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. $\pm 0.6\%$ /10 K

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

Degree of protection

IP 54 (EN 60529)

Connection

Brass, bottom

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

DG: M, PG: 2	Housing	Part no.	Prices €
KP100 D401, 0/40 mbar	Stainless steel	35117401	
KP100 D401, 0/60 mbar	Stainless steel	35118401	
KP100 D401, 0/100 mbar	Stainless steel	35119401	
KP100 D401, 0/160 mbar	Stainless steel	35120401	
KP100 D401, 0/250 mbar	Stainless steel	35121401	
KP100 D401, 0/400 mbar	Stainless steel	35122401	



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