



Standard capsule pressure gauges KP100

Part no. 35109431

Standard capsule pressure gauges Type D4

benefits

- 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.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D4

Nominal size

100

accuracy class (EN 837-3/6)

1.6

ranges (EN 837-3/5)

see ordering table

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: max. 60 °C

Ambient: -20/+60 °C

Temperature performance

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

at 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 100

IP 54 (EN 60529)

Connection

Brass, centre back

Measuring element

Capsule element, CuBe alloy

movement

Brass

Zero correction

from the front

Seal
NBR (Perbunan)

Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

Housing
Stainless steel 304

bayonet bezel
Stainless steel 304

window
D431
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

Technical Drawings

Centre back connection, 3-hole fixing, panel mounting bezel



Dimensions (mm)

NG	b2	Øc	c1	c2	d1*	d2	d3*	d4	G	g	s2	s3	SW
63	37	5	2	13	75	85	3,5	64	G $\frac{1}{4}$ B	60	3	2	14
100	49	6	3	20	116	132	4,8	104	G $\frac{1}{2}$ B	81	4	2	22
160	50	6	3	20	178	196	5,8	164	G $\frac{1}{2}$ B	82	4	2	22

* Dimensions for NG 100 according to DIN 16014

Versions

Range	Mounting type	Type	Part number
-250/+0 mbar	3-hole fixing, panel mounting bezel	KP100 D431	35109431

- in-stock items
- Non-stock items