



Standard capsule pressure gauges KP100

Part no. 35108311

Standard capsule pressure gauges Type D3

benefits

- 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, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D3

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 44 (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

window
Plastic, clipped in

Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Measuring system stainless steel (NG 100)
- throttle screw
- Reference pointer
- special scales
- other process connections

Technical Drawings

Centre back connection

The drawing shows a pressure gauge with a circular dial and a side view of its mounting. The front view shows a dial with a needle and a scale. The side view shows the gauge body with dimensions labeled: NG (dial diameter), b (mounting flange diameter), s (flange thickness), G (thread diameter), g (thread length), c1 (thread start), c2 (thread end), and SW (thread pitch).

NG	b	Øc	c1	c2	G	g	s	SW
63	33,7	5	2	13	G¼B	56,7	3,7	14
80	43,3	6	3	20	G½B	75,3	3,8	22
100	44	6	3	20	G½B	76	3,5	22

Versions

Range	Mounting type	Type	Part number
-160/+0 mbar	direct	KP100 D311	35108311

- in-stock items
- Non-stock items