

## Standard capsule pressure gauges KP100

Part no. 35108301

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

#### Degree of protection

NG 100  
IP 44 (EN 60529)

#### Connection

Brass, bottom

#### 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

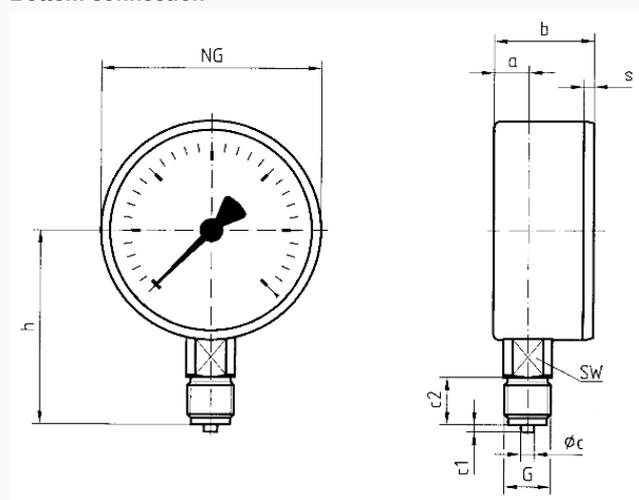
**window**  
Plastic, clipped in

**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**

**Bottom connection**



**Dimensions (mm)**

| NG  | a    | b    | Øc | c1 | c2 | G   | h    | s   | SW |
|-----|------|------|----|----|----|-----|------|-----|----|
| 63  | 9,5  | 33,7 | 5  | 2  | 13 | G¼B | 52,7 | 3,7 | 14 |
| 80  | 14,8 | 43,3 | 6  | 3  | 20 | G½B | 69   | 3,8 | 22 |
| 100 | 15,6 | 44   | 6  | 3  | 20 | G½B | 87   | 3,5 | 22 |

## Versions

| Range        | Mounting type | Type          |   | Part number |
|--------------|---------------|---------------|---|-------------|
| -160/+0 mbar | direct        | KP100<br>D301 | ● | 35108301    |

- in-stock items
- Non-stock items