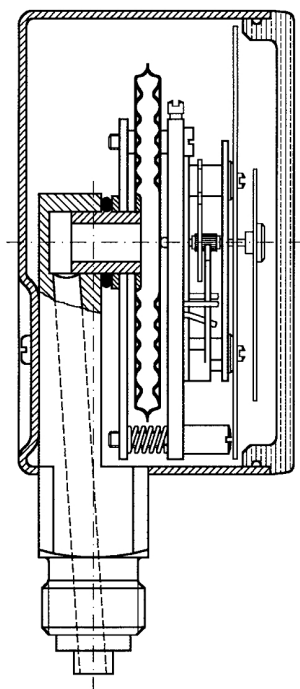




## Capsule pressure gauges for chemical applications KP100Ch

Part no. 35106432

Capsule pressure gauge for chemical applications type D4

### benefits

- 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

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. 100 °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

IP 32 (EN 60529)

### standard version

#### Connection

stainless steel 316 Ti/316 L, centre back

#### Measuring element

Capsule element, stainless steel 316 Ti/316 L

**movement**

Stainless steel

**Zero correction**

from the front

**Seal**

FKM (Viton)

**Dial**

Aluminium, white

Scaling: black

**Pointer**

Aluminium, black

**Housing**

Stainless steel 304

**bayonet bezel**

Stainless steel 304

**window**

D432

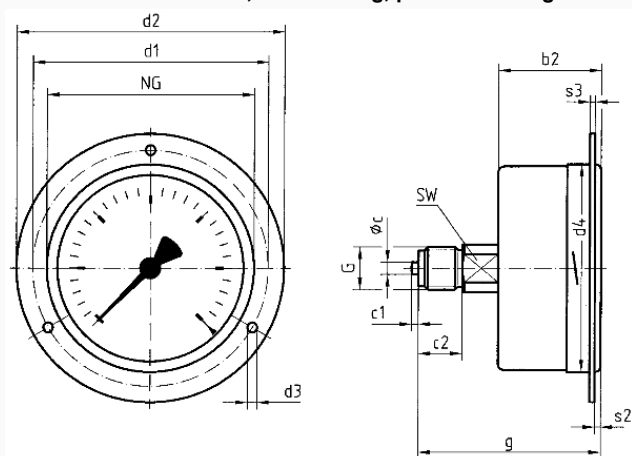
Plastic (PMMA)

**Options**

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Ex version
- throttle screw
- 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  | G1/4B | 60 | 3  | 2  | 14 |
| 100 | 49 | 6  | 3  | 20 | 116 | 132 | 4,8 | 104 | G1/2B | 81 | 4  | 2  | 22 |
| 160 | 50 | 6  | 3  | 20 | 178 | 196 | 5,8 | 164 | G1/2B | 82 | 4  | 2  | 22 |

\* Dimensions for NG 100 according to DIN 16014

Versions

| Range       | Mounting type                       | Type            | Part number |
|-------------|-------------------------------------|-----------------|-------------|
| -60/+0 mbar | 3-hole fixing, panel mounting bezel | KP100Ch<br>D432 | 35106432    |

- in-stock items
- Non-stock items