



## Capsule pressure gauges for chemical applications KP100Ch

**Part no. 35116402**

**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

### standard version

#### Connection

stainless steel 316 Ti/316 L, bottom

#### 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)

#### 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

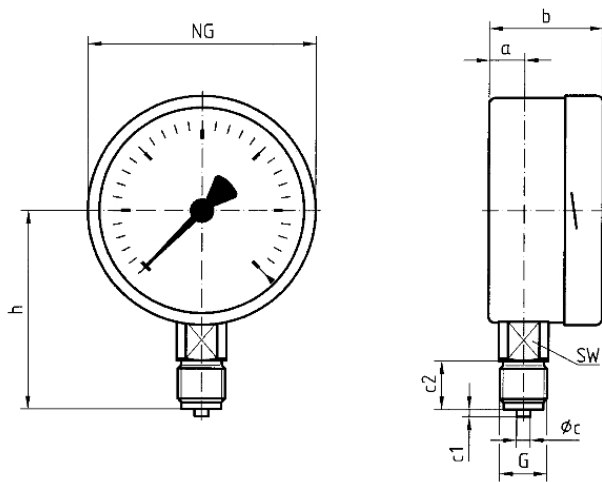
**window**  
D402  
Laminated safety glass

## Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Ex version
- throttle screw
- special scales
- other process connections

## Technical Drawings

### Bottom connection



### Dimensions (mm)

| NG  | a    | b  | Øc | c1 | c2 | G   | h   | SW |
|-----|------|----|----|----|----|-----|-----|----|
| 63  | 10,8 | 40 | 5  | 2  | 13 | G¼B | 53  | 14 |
| 100 | 15,6 | 49 | 6  | 3  | 20 | G½B | 86  | 22 |
| 160 | 17,5 | 50 | 6  | 3  | 20 | G½B | 116 | 22 |

Versions

| Range     | Mounting type | Type            |                                                                                     | Part number |
|-----------|---------------|-----------------|-------------------------------------------------------------------------------------|-------------|
| 0/25 mbar | direct        | KP100Ch<br>D402 |  | 35116402    |

-  in-stock items
-  Non-stock items