



## Capsule pressure gauges for chemical applications KP100Ch

Part no. 35120412

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, centre back

**Measuring element**  
Capsule element, stainless steel 316 Ti/316 L

**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)

**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

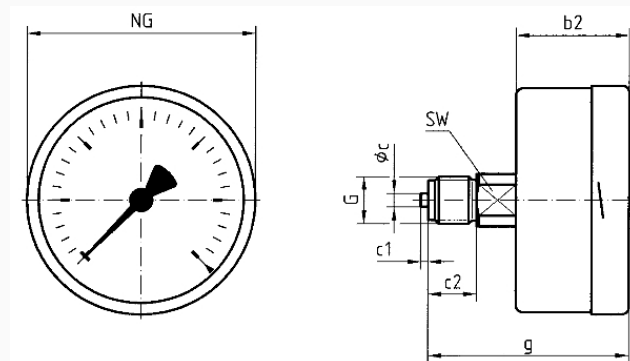
**window**  
D412  
Laminated safety glass

## Options

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

## Technical Drawings

Centre back connection



Dimensions (mm)

| NG  | b2 | Øc | c1 | c2 | G                 | g  | SW |
|-----|----|----|----|----|-------------------|----|----|
| 63  | 37 | 5  | 2  | 13 | G $\frac{1}{4}$ B | 60 | 14 |
| 100 | 49 | 6  | 3  | 20 | G $\frac{1}{2}$ B | 81 | 22 |
| 160 | 50 | 6  | 3  | 20 | G $\frac{1}{2}$ B | 84 | 22 |

## Versions

| Range      | Mounting type | Type            | Part number |
|------------|---------------|-----------------|-------------|
| 0/160 mbar | direct        | KP100Ch<br>D412 | 35120412    |

- in-stock items
- Non-stock items