



## Standard capsule pressure gauge type D3

|                                      |                   |
|--------------------------------------|-------------------|
| housing $\varnothing$ (nominal size) | 63 mm             |
| Connection                           | G $\frac{1}{4}$ B |
| alignment                            | centre back       |
| accuracy class                       | 1.6               |
| standard                             | EN 837-3          |

### 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

63

### 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 63  
IP 33 (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

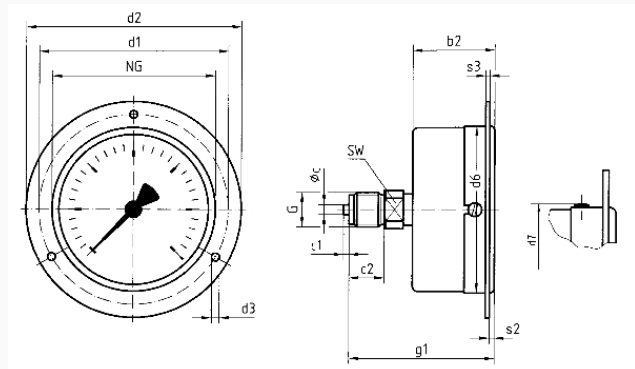
**window**  
Plastic, clipped in

## 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, 3-hole fixing, panel mounting bezel



### Dimensions (mm)

| NG  | b2   | Øc | c1 | c2 | d1* | d2  | d3* | d6  | d7  | G       | g1  | s2 | s3 | SW |
|-----|------|----|----|----|-----|-----|-----|-----|-----|---------|-----|----|----|----|
| 63  | 35,7 | 5  | 2  | 13 | 75  | 85  | 3,5 | 64  | 66  | G¼B58,7 | 3   | 2  | 14 |    |
| 80  | 44,6 | 6  | 3  | 20 | 95  | 110 | 4,8 | 81  | 83  | G½B76,6 | 3,5 | 2  | 22 |    |
| 100 | 45,6 | 6  | 3  | 20 | 116 | 132 | 4,8 | 101 | 105 | G½B77,6 | 3,5 | 2  | 22 |    |

\* Dimensions for NG 100 according to DIN 16014

## Versions

| Range         | Mounting type                       | Type      |   | Part number |
|---------------|-------------------------------------|-----------|---|-------------|
| -25/+0 mbar   | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35004331    |
| -40/+0 mbar   | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35005331    |
| -60/+0 mbar   | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35006331    |
| -100/+0 mbar  | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35007331    |
| -160/+0 mbar  | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35008331    |
| -250/+0 mbar  | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35009331    |
| -400/+0 mbar  | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35010331    |
| -600/+0 mbar  | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35011331    |
| -1000/+0 mbar | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35012331    |
| 0/25 mbar     | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35016331    |
| 0/40 mbar     | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35017331    |
| 0/60 mbar     | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35018331    |
| 0/100 mbar    | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35019331    |
| 0/160 mbar    | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35020331    |
| 0/250 mbar    | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35021331    |
| 0/400 mbar    | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35022331    |
| 0/600 mbar    | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35023331    |
| 0/1000 mbar   | 3-hole fixing, panel mounting bezel | KP63 D331 | ● | 35024331    |

- in-stock items
- Non-stock items