



## Standard capsule pressure gauges KP80

Part no. 35054331

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

80

#### 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 80

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

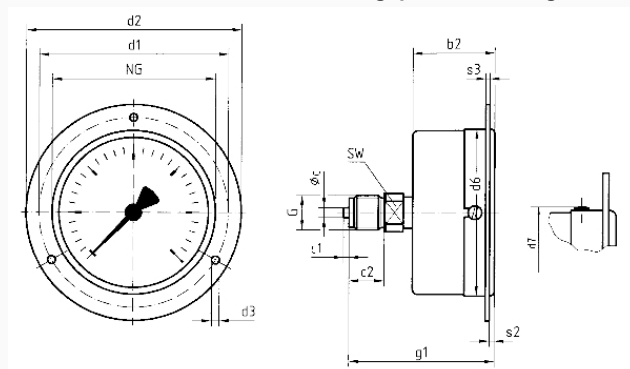
**window**  
Plastic, clipped in

## 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 | G¾B77,6 | 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 | KP80 D331 |  | 35054331    |

-  in-stock items
-  Non-stock items