



## Standard Bourdon tube pressure gauges RF80

Part no. 85165201

Standard Bourdon tube pressure gauge type D2

### benefits

- for pneumatic and heating system applications (NG 40 - 50 - 63)
- for domestic technology and mechanical engineering applications (NG 80 - 100 - 160)
- robust steel housing
- window with adjustable reference pointer (NG 80 - 100)
- with reference pointer on dial (NG 160)
- Accuracy class 1.6
- many customised versions available

### Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2"!

### Technical Specifications

#### Type

D2

#### Nominal size

80

#### accuracy class (EN 837-1/6)

1.6

#### ranges (EN 837-1/5)

see ordering table

#### application area

static load:  $\frac{3}{4}$  x full scale value

dynamic load:  $\frac{2}{3}$  x full scale value

short-term: 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.  $\pm 0.4$  %/10 K

falling temperature approx.  $\pm 0.4$  %/10 K

of full scale value

#### Degree of protection

IP 32 (EN 60529)

### standard version

**Connection**  
Brass, bottom

**Measuring element**  
Bourdon tube, Copper alloy  
≤ 60 bar: "C" type tube  
> 60 bar: helical tube

**movement**  
Brass

**Dial**  
NG 80  
Plastic, white  
D201  
black

**Scale**  
D201

**Pointer**  
NG 80  
Plastic, black

**Housing**  
Sheet steel, black

**push on bezel**  
NG 80

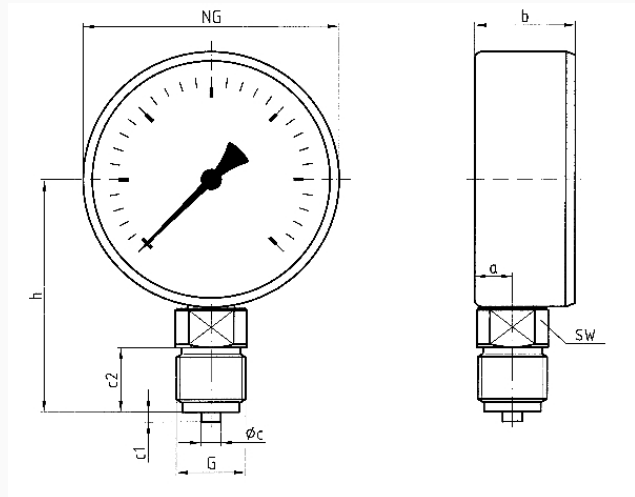
**window**  
NG 80  
Plastic, clipped in, with adjustable red reference pointer

## Options

- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- throttle screw
- Reference pointer
- special scales
- other process connections

## Technical Drawings

**NG 80/100 – bottom connection**



**Dimensions (mm)**

| NG  | a    | b    | Øc | c1 | c2 | G   | h  | SW |
|-----|------|------|----|----|----|-----|----|----|
| 80  | 11,7 | 31   | 6  | 3  | 20 | G½B | 72 | 14 |
| 100 | 11   | 29,5 | 6  | 3  | 20 | G½B | 82 | 14 |

Versions

| Range    | Mounting type | Type         |                                                                                     | Part number |
|----------|---------------|--------------|-------------------------------------------------------------------------------------|-------------|
| 0/10 bar | direct        | RF80<br>D201 |  | 85165201    |

-  in-stock items
-  Non-stock items