



## Standard Bourdon tube pressure gauges RF80

Part no. 85165101

Standard Bourdon tube pressure gauge type D1

### benefits

- for pneumatic and heating system applications
- Design as per EN 837-1
- Accuracy class 1.6
- corrosion-resistant, highly impact-resistant plastic housing
- 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

D1

#### 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**  
Plastic, white  
Scaling: black

## Options

- throttle screw
- Reference pointer
- special scales
- other process connections

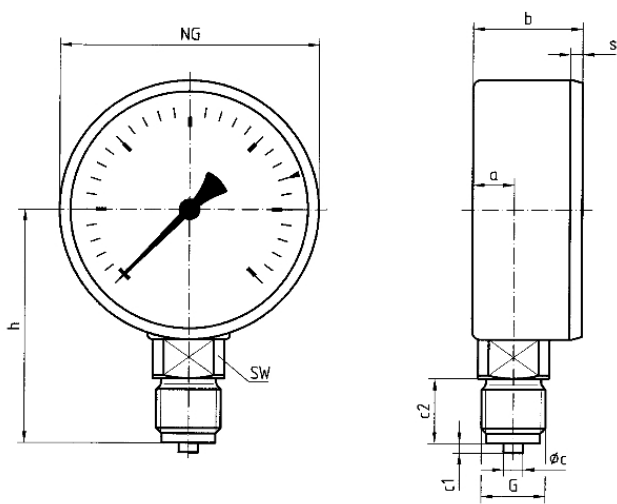
**Pointer**  
Plastic, black

**Housing**  
ABS, black, highly impact-resistant and corrosion-resistant

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

## Technical Drawings

NG 80 – bottom connection



Dimensions (mm)

| NG | a    | b    | Øc | c1 | c2 | G                 | h  | s   | SW |
|----|------|------|----|----|----|-------------------|----|-----|----|
| 80 | 12,8 | 32,8 | 6  | 3  | 20 | G $\frac{1}{4}$ B | 72 | 2,8 | 22 |

Versions

| Range    | Mounting type | Type         |                                                                                     | Part number |
|----------|---------------|--------------|-------------------------------------------------------------------------------------|-------------|
| 0/10 bar | direct        | RF80<br>D101 |  | 85165101    |

-  in-stock items
-  Non-stock items