# Standard Bourdon tube pressure gauges RF100

**Part no. 85213201**

**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**
100

**accuracy class (EN 837-1/6)**
1.6

**ranges (EN 837-1/5)**
see ordering table

**application area**
static load: ¾ x full scale value
dynamic load: ⅔ 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. ± 0.4 %/10 K
falling temperature approx. ± 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 100
Plastic, white
D201
black

**Scale**
D201

**Pointer**
NG 100
Plastic, black

**Housing**
Sheet steel, black

**push on bezel**
NG 100

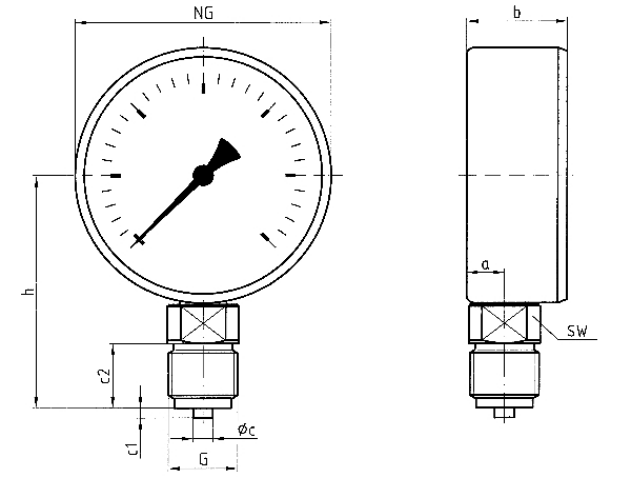
**window**
NG 100
Plastic, clipped in, with adjustable red reference pointer

## 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 | ∅c | 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 |
|---|---|---|---|---|
| 0/4 bar | direct | RF100<br>D201 | ● | 85213201 |

● in-stock items

○ Non-stock items