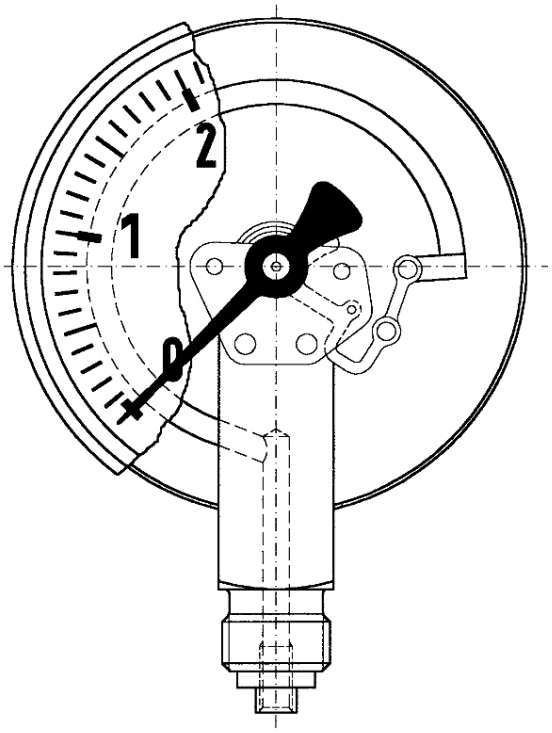



# Standard Bourdon tube pressure gauges RF100

## Part no. 85213101

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

**Pointer**
Plastic, black

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

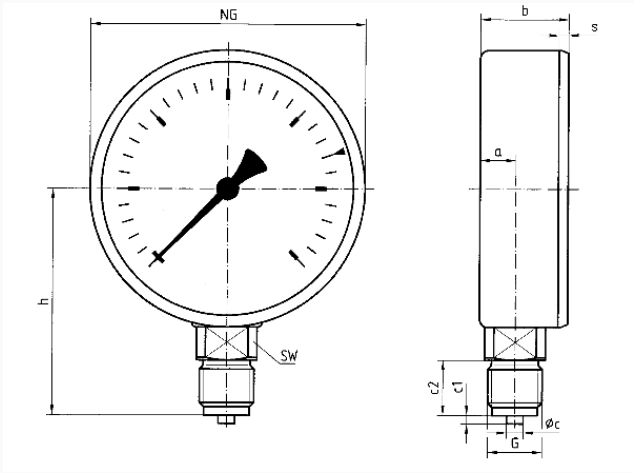
**window**
Plastic, clipped in
NG 100
with adjustable red reference pointer

## Options

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

## Technical Drawings

**NG 100 – bottom connection**




**Dimensions (mm)**

| NG | a | b | ∅c | c1 | c2 | G | h | s | SW |
|---|---|---|---|---|---|---|---|---|---|
| 100 | 15,5 | 34,5 | 6 | 3 | 20 | G½B | 82 | 3,5 | 22 |

## Versions

| Range | Mounting type | Type | | Part number |
|---|---|---|---|---|
| 0/4 bar | direct | RF100 D101 | ● | 85213101 |

● in-stock items

○ Non-stock items