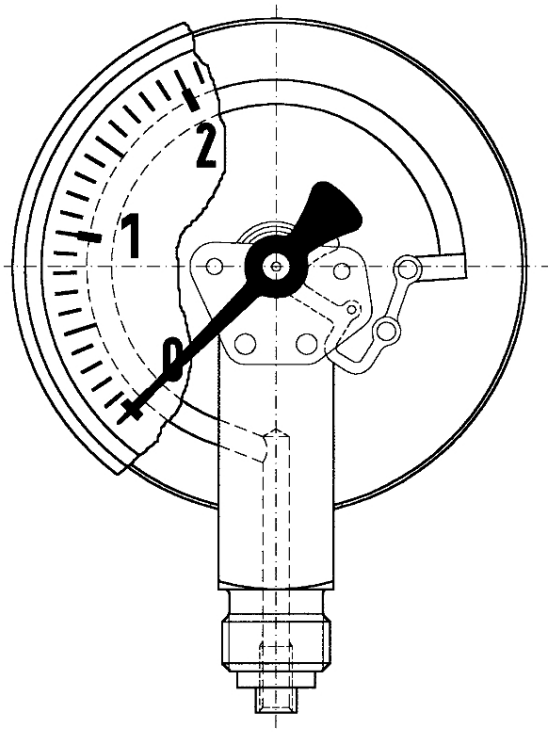



# Bourdon tube pressure gauge RF50GT

## Part no. 85064302GT

## Standard Bourdon tube pressure gauge for gas applications type D3

**benefits**

- Version safety pressure gauge S2 as per EN 837-1
- dual scale for measurement of different media (option)
- rear blow-out
- many customised versions available

## Application

For gaseous and liquid media which are not highly viscous and do not crystallise. Specially designed for gas technology devices, fittings and installations.
! For measuring gas or vapour, these gauges must be used in accordance with the table "Selection Criteria as per EN 837-2" (see appendix)!

## Technical Specifications

**Type**
D3

**Nominal size**
50

**Version**
EN 837-1-S2

**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**
D302
stainless steel 316 Ti/316 L
bottom

**Measuring element**
Bourdon tube
D302
stainless steel 316 Ti/316 L
≤ 40 bar: "C" type tube
> 40 bar: helical tube

**movement**
Brass

**Dial**
Aluminium, white
Scaling: black

**Pointer**
Aluminium, black

**Housing**
Stainless steel 304, with rear blow-out

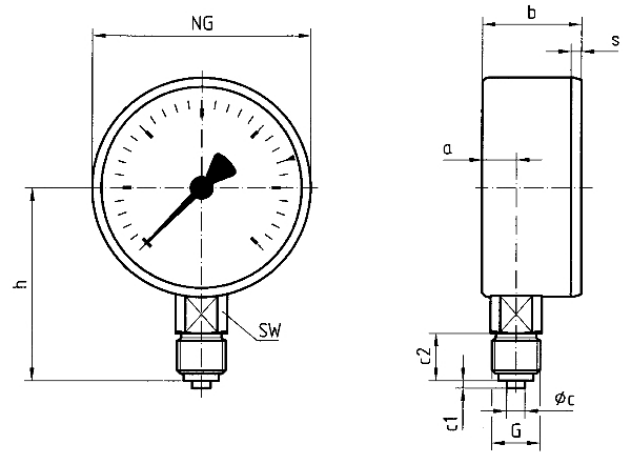
**window**
Plastic, snapped in

## Options

- wetted parts stainless steel
- wetted parts oil-free and grease-free
- Helium leak test
- throttle screw
- special scales
- other connection threads

## Technical Drawings

**Bottom connection**




**Dimensions (mm)**

| NG | a | b | ∅c | c1 | c2 | G | h | s | SW |
|---|---|---|---|---|---|---|---|---|---|
| 40 | 8,2 | 23,5 | 4 | 2 | 10 | G⅛B | 36 | 3 | 12 |
| 50 | 10,5 | 29 | 5 | 2 | 13 | G¼B | 46 | 3,8 | 14 |
| 63 | 11 | 29,5 | 5 | 2 | 13 | G¼B | 53 | 3,7 | 14 |

## Versions

| Range | Mounting type | Type | | Part number |
|---|---|---|---|---|
| 0/6 bar | direct | RF50GT<br>D302 | ● | 85064302GT |

● in-stock items

○ Non-stock items