



Bourdon tube pressure gauge RF50GT

Part no. 85055311GT

Standard Bourdon tube pressure gauges 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: $\frac{3}{4}$ 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)

Connection

D311
Brass
centre back

Measuring element

Bourdon tube
D311
Copper alloy
 ≤ 40 bar: "C" type tube
 > 40 bar: helical tube

movement

Brass

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

window

Plastic, snapped in

Housing

Stainless steel 304, with rear blow-out

Options

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

Technical Drawings

Centre back connection



Dimensions (mm)

| NG | b1 | ∅c | c1 | c2 | G | g | s | SW |
|----|------|----|----|----|---------------------------------|------|-----|----|
| 50 | 26 | 5 | 2 | 13 | G ¹ / ₄ B | 47 | 3,8 | 14 |
| 63 | 29,5 | 5 | 2 | 13 | G ¹ / ₄ B | 50,5 | 3,7 | 14 |

Versions

| Range | Mounting type | Type | Part number |
|-----------|---------------|----------------|-------------|
| -1/+5 bar | direct | RF50GT D311 | 85055311GT |

- in-stock items
- Non-stock items