



## Bourdon tube pressure gauge RF50GT

Part no. 85059311GT

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  
 $\leq 40$  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	Øc	c1	c2	G	g	s	SW
50	26	5	2	13	G <sup>1</sup> / <sub>4</sub> B	47	3,8	14
63	29,5	5	2	13	G <sup>1</sup> / <sub>4</sub> B	50,5	3,7	14

**Versions**

Range	Mounting type	Type	Part number
0/0.6 bar	direct	RF50GT D311	85059311GT

- in-stock items
- Non-stock items