Bourdon tube pressure gauge RF50GT

Part no. 85072301GT

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
D301
Brass
bottom

Measuring element
Bourdon tube
D301
Copper alloy
≤ 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

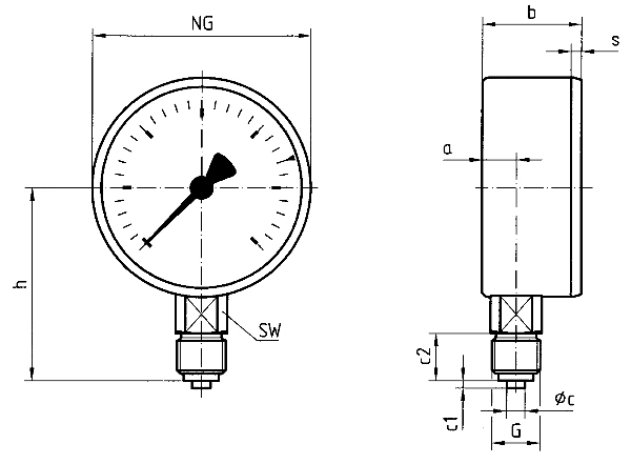
window
Plastic, snapped in

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
0/250 bar	direct	RF50GT D301	●	85072301GT

● in-stock items

○ Non-stock items