Standard Bourdon tube pressure gauges RF50

Part no. 85070101

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
50

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

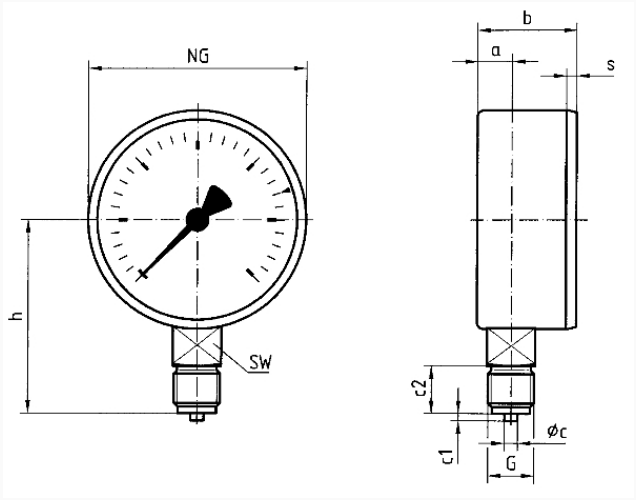
window
Plastic, clipped in
NG 50

Options

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

Technical Drawings

NG 40/50/63 – bottom connection



Dimensions (mm)

NG	a	b	∅c	c1	c2	G	h	s	SW
40	9,5	25	4	2	10	G⅛B	36	3	12
50	10,3	26,8	5	2	13	G¼B	45	3,8	14
63	9,8	29,7	5	2	13	G¼B	51,5	3,7	14

Versions

Range	Mounting type	Type		Part number
0/100 bar	direct	RF50 D101	●	85070101

● in-stock items

○ Non-stock items