



Standard Bourdon tube pressure gauges RF40

Part no. 85009111

Standard Bourdon tube pressure gauges 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

40

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. ± 0.4 %/10 K

falling temperature approx. ± 0.4 %/10 K
of full scale value

Degree of protection

IP 32 (EN 60529)

Connection

Brass, centre back

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

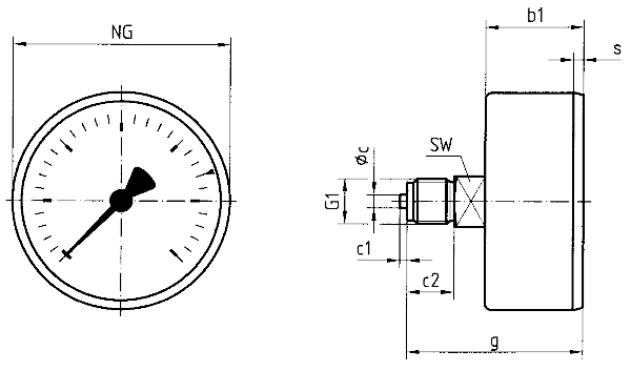
Options

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

window
Plastic, clipped in
NG 40

Technical Drawings

NG 40/50/63 – centre back connection



The drawing shows a front view of the gauge face with a scale and a pointer, and a side view showing the mounting bracket and connection details. Dimensions are labeled: NG (face diameter), b1 (mounting bracket width), s (bracket thickness), SW (set screw), G1 (connection thread), g (total length), c1 (bracket offset), c2 (connection offset), and Øc (pointer diameter).

Dimensions (mm)									
NG	b1	Øc	c1	c2	g	G1	s	SW	
40	25	4	2	10	41,5	G½B	3	12	
50	27,1	5	2	13	47,1	G¾B	3,8	14	
63	30,4	5	2	13	50,4	G¾B	3,7	14	

Versions

Range	Mounting type	Type	Part number
0/0.6 bar	direct	RF40 D111	85009111

-  in-stock items
-  Non-stock items