

Stainless steel Bourdon tube pressure gauge type D3



benefits

- extremely compact design
- wetted parts and movement made of stainless steel
- Pressure connection welded to housing
- optional for control cabinet mounting
- tightness-tested with helium
- GOSSTANDART-certified

Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type

D3

Nominal size

40

accuracy class (EN 837-1/6)

2.5

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. 100 °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. $\pm 0.4 \text{ } \%/10 \text{ K}$

falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection

IP 32 (EN 60529)

Connection

Stainless steel 316 L, centre back

Measuring element

Bourdon tube, Stainless steel 316 L

$\leq 60 \text{ bar}$: "C" type tube

$> 60 \text{ bar}$: helical tube

tightness-tested with helium

movement

Stainless steel

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

Stainless steel 304

window

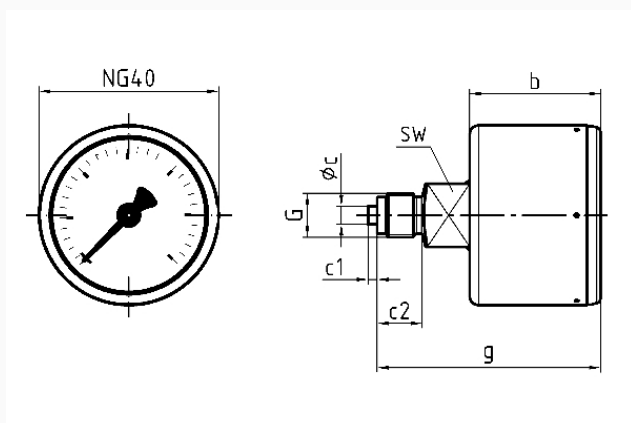
Plastic, clipped in

Options

- 3-hole fixing, panel mounting bezel
- special scales
- other process connections
- oil- and grease-free version

Technical Drawings

NG 40 – centre back connection G $\frac{1}{8}$ "



Dimensions (mm)

NG	b	Øc	c1	c2	G	g	SW
40	29	4	2	10	G $\frac{1}{8}$ "B	49,5	14

Versions

Range	Mounting type	Type		Part number
0/1.6 bar	direct	RF40E D312	●	85011312
0/2.5 bar	direct	RF40E D312	●	85012312
0/4 bar	direct	RF40E D312	●	85013312
0/6 bar	direct	RF40E D312	●	85014312
0/10 bar	direct	RF40E D312	●	85015312
0/16 bar	direct	RF40E D312	●	85016312
0/25 bar	direct	RF40E D312	●	85017312
0/40 bar	direct	RF40E D312	●	85018312
0/60 bar	direct	RF40E D312	●	85019312
0/100 bar	direct	RF40E D312	●	85020312
0/160 bar	direct	RF40E D312	●	85021312
0/250 bar	direct	RF40E D312	●	85022312
0/400 bar	direct	RF40E D312	●	85023312
0/600 bar	direct	RF40E D312	●	85024312

- in-stock items
- Non-stock items