



Stainless steel Bourdon tube pressure gauges RF40E

Part no. 85019312

Stainless steel Bourdon tube pressure gauges 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

window
Plastic, clipped in

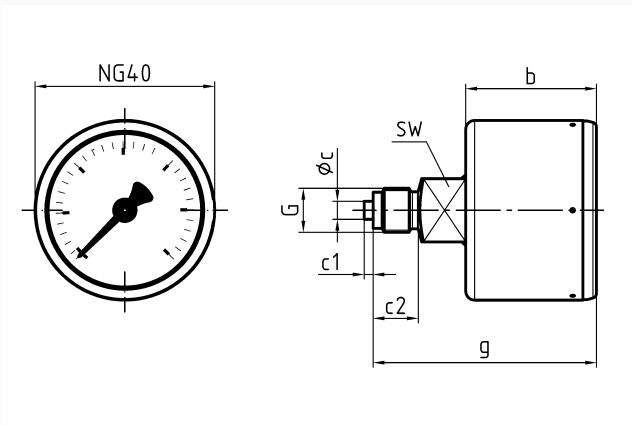
Housing
Stainless steel 304

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
0/60 bar	direct	RF40E D312	85019312

-  in-stock items
-  Non-stock items