



Stainless steel Bourdon tube pressure gauges RF40E

Part no. 85018312

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
- GOSSSTANDART-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: $\frac{1}{4}$ x full scale value
dynamic load: $\frac{1}{3}$ 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. $\pm 0.4\% / 10\text{ K}$
falling temperature approx. $\pm 0.4\% / 10\text{ K}$
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
≤ 60 bar: "C" type tube
> 60 bar: helical tube
tightness-tested with helium

movement
Stainless steel

Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

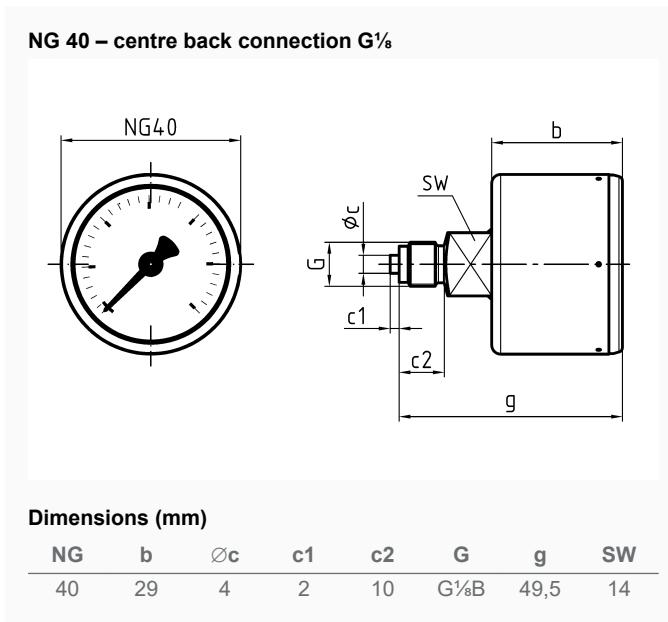
window
Plastic, clipped in

Housing
Stainless steel 304

Options

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

Technical Drawings



Versions

Range	Mounting type	Type	Part number
0/40 bar	direct	RF40E D312	85018312

 in-stock items

 Non-stock items