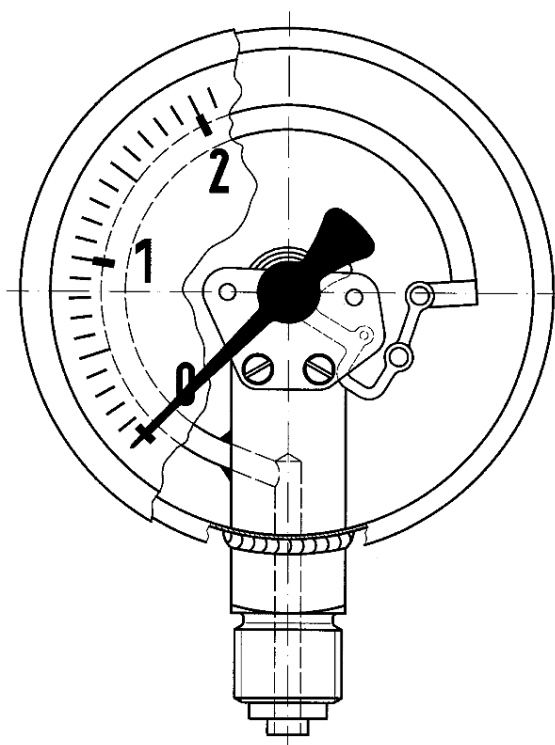




Bourdon tube pressure gauge for chemical applications type D9

benefits

- for chemical and process engineering applications
- measuring system fully welded to housing
- extremely robust design
- for temperatures of the medium of up to 200 °C
- tightness-tested with helium
- GOSSTANDART-certified
- Ex version (optional)

Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise; suitable for corrosive environments.

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

Technical Specifications

Type

D9

Nominal size

50

accuracy class

EN 837-1/6

NG 50

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

NG 50

max. 150 °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

Connection

Stainless steel 316 L, bottom back

Measuring element

Bourdon tube, stainless steel 316 Ti/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

Housing

Stainless steel 304, with blow-out

bayonet bezel

NG 50

Stainless steel 304

crimped bezel

NG 50

window

NG 50

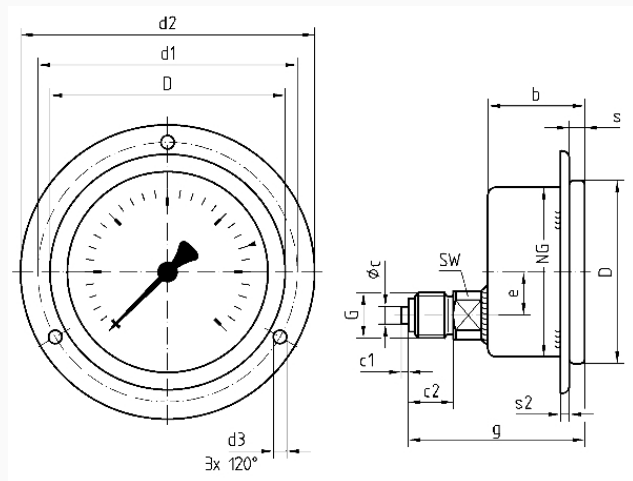
Plastic

Options

- Brass movement
- Back flange (NG 63)
- clamp fixing
- Ex version
- Crimped bezel, polished
- special scales
- other process connections

Technical Drawings

NG 50 – bottom back connection, 3-hole fixing, panel mounting bezel



Dimensions (mm)

NG	b	Øc	c1	c2	d1*	d2*	d3*	D	e	G	g	s	s2	SW
50	28	5	2	13	60	70	3,6	53	12,5	G1/4B	51	4,5	2,5	14

* Dimensions as per DIN 16063

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85051932
-1/+0.6 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85052932
-1/+1.5 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85053932
-1/+3 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85054932
-1/+5 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85055932
-1/+9 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85056932
-1/+15 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85057932
0/0.6 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85059932
0/1 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85060932
0/1.6 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85061932
0/2.5 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85062932
0/4 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85063932
0/6 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85064932
0/10 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85065932
0/16 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85066932
0/25 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85067932
0/40 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85068932
0/60 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85069932

0/100 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85070932
0/160 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85071932
0/250 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85072932
0/400 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85073932
0/600 bar	3-hole fixing, panel mounting bezel	RF50Ch D932	●	85074932

- in-stock items
- Non-stock items