



gas filled thermometer for chemical applications

benefits

- for chemical, process engineering and food industry applications
- high measuring accuracy
- fast response

Application

For corrosive media. Meets the most exacting measuring demands, e.g. in process engineering as well as chemical and food industry applications.

Technical Specifications

Type

D4

Nominal size

100

Measuring principle

Pressurised gas filling

accuracy class

1 (EN 13190)

Application area (EN 13190)

continuous load: Full scale value

short-term: 1.1 x full scale value

Operating pressure at thermowell

max. 10 bar (Up to 300 °C)

Degree of protection

IP 65 (EN 60529)

Connection

Stem: Stainless steel 321, Ø 10 mm, plain

mounting position

bottom

Dial

Aluminium, white

Scaling: black

Pointer

Aluminium, black

Zero correction

at the side

movement

Brass

Housing

Stainless steel 304

window

Instrument glass

bayonet bezel

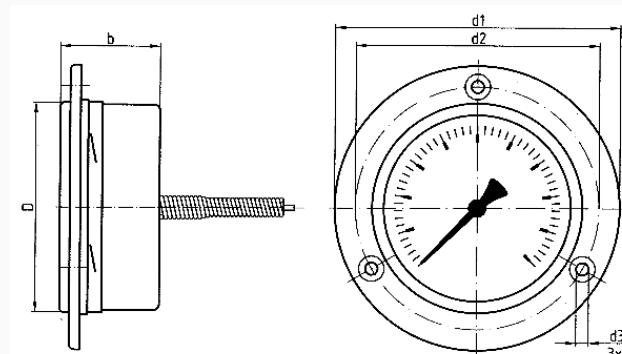
Stainless steel 304

Options

- Every angle version
- Grooved nut connection as per DIN 11851
- other connection designs
- other nominal sizes
- other ranges
- special scales
- Glycerine filling (type D8)
- back flange
- 3-hole fixing, panel mounting bezel
- Capillary (stainless steel 321)
- special materials
- Electrical contacts

Technical Drawings

Version with capillary and 3-hole fixing, panel mounting bezel



Dimensions (mm)

NG	b	D	d1	d2	d3
100	45	101	132	116	5,5
160	45	161	196	178	6

Versions

Type	housing ø	Range	Type	Type		Part no.
FTh 100 Ch	100 mm	-20/+60 °C	FTh 100 Ch	D432	●	64341432
FTh 100 Ch	100 mm	0/60 °C	FTh 100 Ch	D432	●	64361432
FTh 100 Ch	100 mm	0/120 °C	FTh 100 Ch	D432	●	64373432
FTh 100 Ch	100 mm	0/160 °C	FTh 100 Ch	D432	●	64377432
FTh 100 Ch	100 mm	0/200 °C	FTh 100 Ch	D432	●	64381432
FTh 100 Ch	100 mm	0/300 °C	FTh 100 Ch	D432	●	64389432
FTh 100 Ch	100 mm	0/400 °C	FTh 100 Ch	D432	●	64397432
FTh 100 Ch	100 mm	0/500 °C	FTh 100 Ch	D432	●	64401432

● in-stock items

● Non-stock items