



bimetal thermometer

benefits

- ideal for hygienic processes
- accuracy class 1 as per EN 13190
- for temperatures of the medium of up to 160 °C
- Process connection centre back or bottom or threads various thermo-wells

Application

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

Technical Specifications

Type
D4

Nominal size
100

measuring element
Bimetal helix

accuracy class
1 (EN 13190)

ranges °C
0/160

application area
continuous load: Full scale value
short-term: 1.1 x full scale value

operating pressure at stem
max. 6 bar

Degree of protection
IP 65 (EN 60529)

Connection
Stem: Stainless steel 316 Ti, Ø 8 mm, plain

mounting position
bottom

Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

Housing
Stainless steel 304

bayonet bezel
Stainless steel 304

window

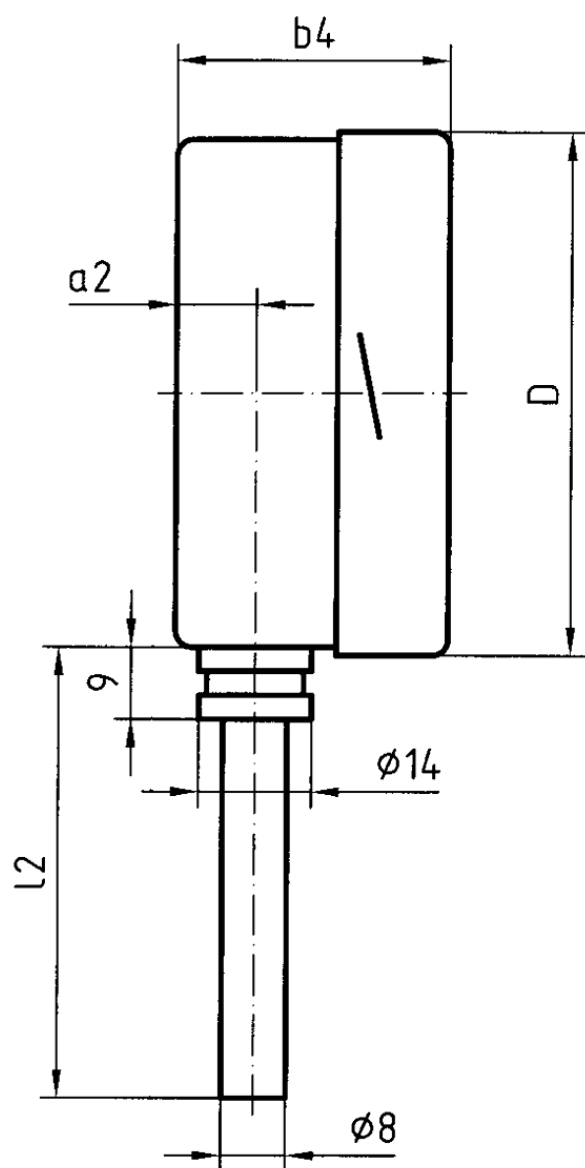
Instrument glass

Options

- Thermowell G $\frac{1}{2}$ B, stainless steel 316 Ti/316 L
- Grooved nut connection as per DIN 11851
- other connection designs
- other ranges
- other stem lengths
- laminated safety glass window
- Glycerine filling
- Every angle version
- back flange
- 3-hole fixing, panel mounting bezel
- special materials

Technical Drawings

bottom connection, plain



Dimensions (mm)

NG	a2	b4	D	l2
63	15,5	45	63	67
63	15,5	45	63	104
63	15,5	45	63	154
63	15,5	45	63	204
100	17,5	49,5	100	67
100	17,5	49,5	100	104
100	17,5	49,5	100	154
100	17,5	49,5	100	204
160	15,5	48	160	67
160	15,5	48	160	104
160	15,5	48	160	154
160	15,5	48	160	204

Versions

Type	housing ø	mounting position	Range	For thermowell with length L1	Type	Type	Part no.
BiTh 100 Ch	100 mm	bottom	0/160 °C	63 mm	BiTh 100 Ch	D402	66852402
BiTh 100 Ch	100 mm	bottom	0/160 °C	100 mm	BiTh 100 Ch	D402	66853402
BiTh 100 Ch	100 mm	bottom	0/160 °C	150 mm	BiTh 100 Ch	D402	66854402
BiTh 100 Ch	100 mm	bottom	0/160 °C	200 mm	BiTh 100 Ch	D402	66855402

- in-stock items
- Non-stock items