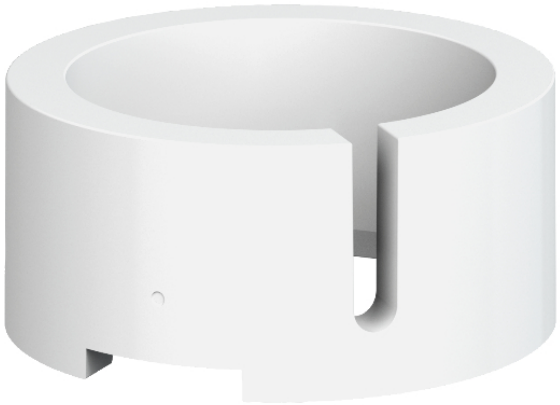


bimetal stainless steel thermometer BiTh 80 E

Part no. 66253312AFG4D8

Bimetal stainless steel thermometers

benefits

- suitable for use in mechanical engineering, plant engineering, process engineering or food industry
- ideal for hygienic processes
- accuracy class 1 as per EN 13190
- for temperatures of the medium of up to 160 °C
- with adapter ring for thermowell Ø 18 mm

Application

For corrosive media. Suitable for a great range of industrial applications.

Technical Specifications

Type
D3

Nominal size
80

measuring element
Bimetal helix

accuracy class
1 (EN 13190)

ranges °C
0/160

Application area (EN 13190)
continuous load: Measuring range
short-term: Range

Operating pressure at thermowell
(not included in scope of delivery)
max. 25 bar

Degree of protection
IP 43 (EN 60529)

standard version

Connection
Stem: Stainless steel 316 Ti/L, ∅ 8 mm
Stem: fixed male connection, fixed G½B

mounting position
centre back

Dial
Aluminium, white
Scaling: black

Pointer
Aluminium, black

Housing
Stainless steel 304

push on bezel
Stainless steel 304

window
Instrument glass

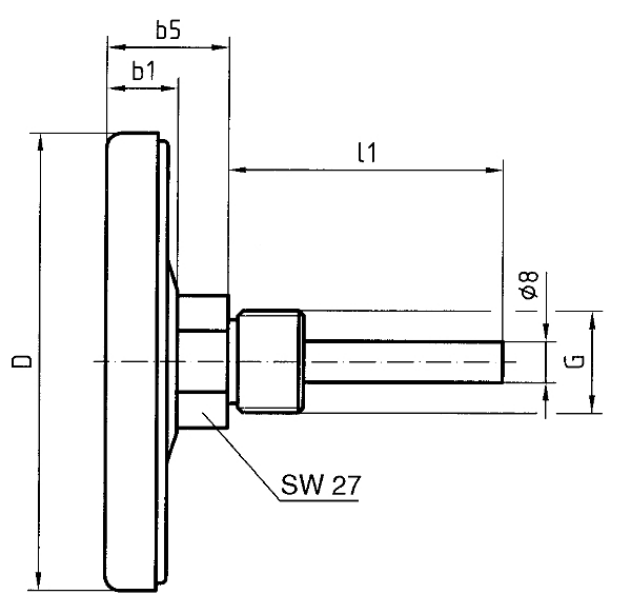
Options

- Thermowell G½B, stainless steel 316 Ti/316 L

- other connection designs
- other ranges
- other stem lengths

Technical Drawings

centre back connection, fixed male connection



Dimensions (mm)

NG	D	b1	b5	l1	G
63	63	15	27	63	G½B
63	63	15	27	80	G½B
63	63	15	27	100	G½B
80	80	15	28	63	G½B
80	80	15	28	80	G½B
80	80	15	28	100	G½B
100	100	17	29	63	G½B
100	100	17	29	80	G½B
100	100	17	29	100	G½B

Versions

	Type	housing ⌀	mounting position	Connection	Range	For thermowell with length L1	Stem length L1	Type	Type		Part no.
	BiTh 80 E	80 mm	centre back	fixed male connection, fixed G½B	0/160 °C		100 mm	BiTh 80 E	D312	○	66253312AF-G4D8

● in-stock items

○ Non-stock items