



## bimetal stainless steel thermometer BiTh 80 E

Part no. 66209312

bimetal stainless steel thermometer BiTh E

### 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**  
-20/+60

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

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

### Options

- Thermowell G½B, stainless steel 316 Ti/316 L

**Degree of protection**  
IP 43 (EN 60529)

**Connection**  
Stem: Stainless steel 316 L, Ø 8 mm  
Stem: plain

**mounting position**  
centre back

**Dial**  
Aluminium, white  
Scaling: black

**Pointer**  
Aluminium, black

**Housing**  
Stainless steel 304

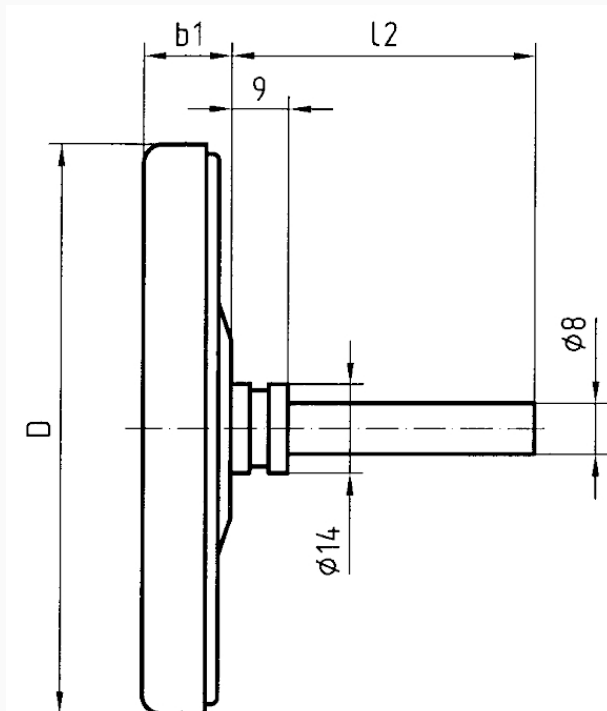
**push on bezel**  
Stainless steel 304

**window**  
Instrument glass

- other connection designs
- other ranges
- other stem lengths

## Technical Drawings

centre back connection, plain



Dimensions (mm)

| NG  | b1 | D   | l2  |
|-----|----|-----|-----|
| 63  | 15 | 63  | 67  |
| 63  | 15 | 63  | 104 |
| 63  | 15 | 63  | 154 |
| 63  | 15 | 63  | 204 |
| 80  | 15 | 80  | 67  |
| 80  | 15 | 80  | 104 |
| 80  | 15 | 80  | 154 |
| 80  | 15 | 80  | 204 |
| 100 | 17 | 100 | 67  |
| 100 | 17 | 100 | 104 |
| 100 | 17 | 100 | 154 |
| 100 | 17 | 100 | 204 |

Versions

| Type         | housing<br>ø | moun-<br>ting po-<br>sition | Connec-<br>tion | Range         | For ther-<br>mowell<br>with<br>length<br>L1 | Stem<br>length<br>L1 | Type         | Type | Part no.             |
|--------------|--------------|-----------------------------|-----------------|---------------|---------------------------------------------|----------------------|--------------|------|----------------------|
| BiTh 80<br>E | 80 mm        | centre<br>back              | plain           | -20/+60<br>°C | 150 mm                                      |                      | BiTh 80<br>E | D312 | <div></div> 66209312 |

- in-stock items
- Non-stock items