



## bimetal stainless steel thermometer BiTh 100 E

**Part no. 66310312**

**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

100

#### 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

#### Degree of protection

IP 43 (EN 60529)

### standard version

#### Connection

Stem: Stainless steel 316 Ti/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

**Options**

- Thermowell G½B, stainless steel 316 Ti/316 L
- 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<br>100 E | 100 mm       | centre<br>back              | plain           | -20/+60<br>°C | 200 mm                                      |                      | BiTh<br>100 E | D312 | <div></div> 66310312 |

- in-stock items
- Non-stock items