



## 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

0/120

### 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)

## Options

### 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

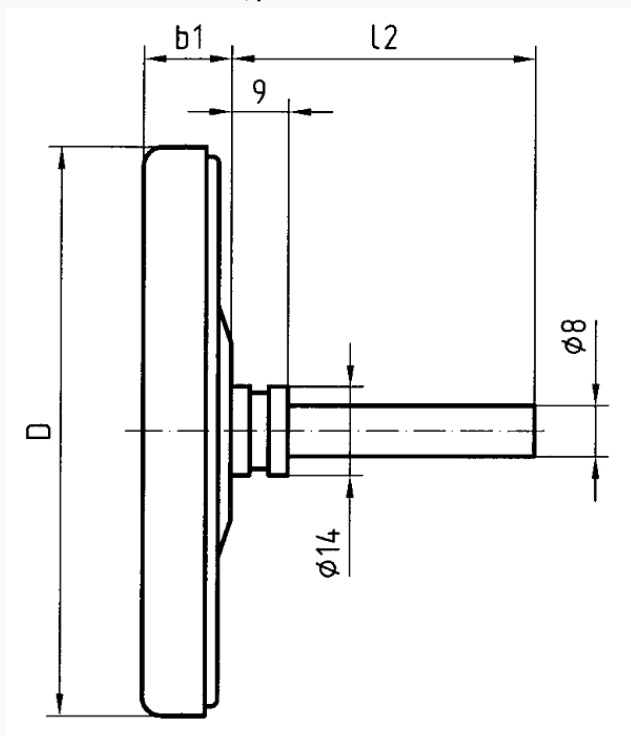
### window

Instrument glass

- Thermowell G $\frac{1}{2}$ B, 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 80<br>E | 80 mm        | centre<br>back              | plain           | 0/120 °C | 45 mm                                       |                      | BiTh 80<br>E | D312 |  66246312 |
| BiTh 80<br>E | 80 mm        | centre<br>back              | plain           | 0/120 °C | 63 mm                                       |                      | BiTh 80<br>E | D312 |  66247312 |
| BiTh 80<br>E | 80 mm        | centre<br>back              | plain           | 0/120 °C | 100 mm                                      |                      | BiTh 80<br>E | D312 |  66248312 |
| BiTh 80<br>E | 80 mm        | centre<br>back              | plain           | 0/120 °C | 150 mm                                      |                      | BiTh 80<br>E | D312 |  66249312 |
| BiTh 80<br>E | 80 mm        | centre<br>back              | plain           | 0/120 °C | 200 mm                                      |                      | BiTh 80<br>E | D312 |  66250312 |

 in-stock items

 Non-stock items