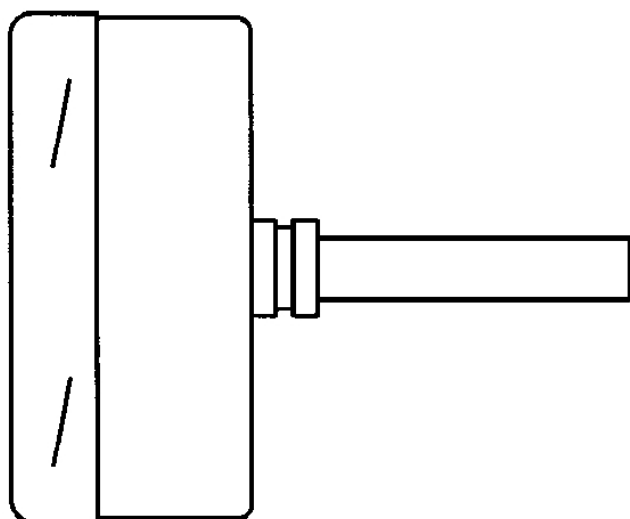




## bimetal thermometer

### 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 thermowells

## 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

160

### measuring element

Bimetal helix

### accuracy class

1 (EN 13190)

### ranges °C

0/120

### 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

centre back

### Dial

Aluminium, white  
Scaling: black

### Pointer

Aluminium, black

### Housing

Stainless steel 304

### bayonet bezel

Stainless steel 304

### window

Instrument glass

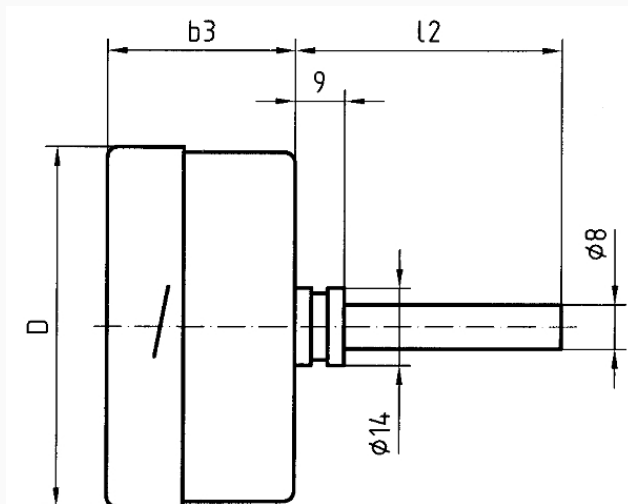
## Options

- Thermowell G½B, 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

centre back connection, plain



Dimensions (mm)

| NG  | b3   | D   | l2  |
|-----|------|-----|-----|
| 63  | 32   | 63  | 67  |
| 63  | 32   | 63  | 67  |
| 63  | 32   | 63  | 67  |
| 63  | 32   | 63  | 67  |
| 100 | 27,5 | 100 | 104 |
| 100 | 27,5 | 100 | 104 |
| 100 | 27,5 | 100 | 104 |
| 100 | 27,5 | 100 | 104 |
| 160 | 34   | 160 | 154 |
| 160 | 34   | 160 | 154 |
| 160 | 34   | 160 | 154 |
| 160 | 34   | 160 | 154 |

## Versions

| Type        | housing ø | mounting position | Range    | For thermowell with length L1 | Type        | Type | Part no. |
|-------------|-----------|-------------------|----------|-------------------------------|-------------|------|----------|
| BiTh 160 Ch | 160 mm    | centre back       | 0/120 °C | 63 mm                         | BiTh 160 Ch | D412 | 66947412 |
| BiTh 160 Ch | 160 mm    | centre back       | 0/120 °C | 100 mm                        | BiTh 160 Ch | D412 | 66948412 |
| BiTh 160 Ch | 160 mm    | centre back       | 0/120 °C | 150 mm                        | BiTh 160 Ch | D412 | 66949412 |
| BiTh 160 Ch | 160 mm    | centre back       | 0/120 °C | 200 mm                        | BiTh 160 Ch | D412 | 66950412 |

- in-stock items
- Non-stock items