



## bimetal standard thermometer BiTh 80 ST

**Part no. 63809**

**bimetal standard thermometer**

### benefits

- ranges: -20/+60, 0/60, 0/120, 0/160 °C
- brass thermowell
- stem brass or aluminium

### Application

Heating, plumbing

### Technical Specifications

#### Nominal size

80

#### measuring element

Bimetal helix

#### accuracy class

2 (EN 13190)

#### standard version

##### Connection

Stem: brass or aluminium, Ø 9 mm

Thermowell: G½B, brass or aluminium, Ø 9 mm

Thermowell: (removable (with locking screw for 160 °C and higher))

##### mounting position

centre back

##### Dial

Up to 120 °C: Plastic, white

≥ 160 °C: Aluminium, white

Scaling: black

### Options

- other ranges

#### ranges °C

0/120

#### application area

Full scale value

#### Operating pressure at thermowell

max. 6 bar

#### Pointer

Plastic, black

#### Housing

Sheet steel, galvanised

#### push on bezel

Sheet steel, nickel-plated

#### window

Plastic

- Nominal size 34, 160

## Technical Drawings

### Centre back connection



### Dimensions (mm)

| NG  | b1   | D   | d1 | G                 | L1  | SW    |
|-----|------|-----|----|-------------------|-----|-------|
| 50  | 18   | 50  | 12 | G $\frac{1}{2}$ B | 40  | 19/22 |
| 50  | 18   | 50  | 12 | G $\frac{1}{2}$ B | 63  | 19/22 |
| 50  | 18   | 50  | 12 | G $\frac{1}{2}$ B | 100 | 19/22 |
| 50  | 18   | 50  | 12 | G $\frac{1}{2}$ B | 150 | 19/22 |
| 63  | 20   | 63  | 12 | G $\frac{1}{2}$ B | 40  | 19/22 |
| 63  | 20   | 63  | 12 | G $\frac{1}{2}$ B | 63  | 19/22 |
| 63  | 20   | 63  | 12 | G $\frac{1}{2}$ B | 100 | 19/22 |
| 63  | 20   | 63  | 12 | G $\frac{1}{2}$ B | 150 | 19/22 |
| 80  | 21   | 80  | 12 | G $\frac{1}{2}$ B | 40  | 19/22 |
| 80  | 21   | 80  | 12 | G $\frac{1}{2}$ B | 63  | 19/22 |
| 80  | 21   | 80  | 12 | G $\frac{1}{2}$ B | 100 | 19/22 |
| 80  | 21   | 80  | 12 | G $\frac{1}{2}$ B | 150 | 19/22 |
| 80  | 21   | 80  | 12 | G $\frac{1}{2}$ B | 200 | 19/22 |
| 100 | 23,7 | 100 | 12 | G $\frac{1}{2}$ B | 40  | 19/22 |
| 100 | 23,7 | 100 | 12 | G $\frac{1}{2}$ B | 63  | 19/22 |
| 100 | 23,7 | 100 | 12 | G $\frac{1}{2}$ B | 100 | 19/22 |
| 100 | 23,7 | 100 | 12 | G $\frac{1}{2}$ B | 150 | 19/22 |
| 100 | 23,7 | 100 | 12 | G $\frac{1}{2}$ B | 200 | 19/22 |
| 160 | 22   | 160 | 12 | G $\frac{1}{2}$ B | 40  | 19/22 |
| 160 | 22   | 160 | 12 | G $\frac{1}{2}$ B | 63  | 19/22 |
| 160 | 22   | 160 | 12 | G $\frac{1}{2}$ B | 100 | 19/22 |
| 160 | 22   | 160 | 12 | G $\frac{1}{2}$ B | 150 | 19/22 |

Versions

| housing ø | mounting position | Range    | Stem length | Type       |             | Part no. |
|-----------|-------------------|----------|-------------|------------|-------------|----------|
| 80 mm     | centre back       | 0/120 °C | 150 mm      | BiTh 80 ST | <div></div> | 63809    |

- in-stock items
- Non-stock items