

Bimetal standard thermometer BiTh ST



Benefits

- Ranges: -20/+60, 0/60, 0/120, 0/160 °C
- Brass thermowell
- Stem brass or aluminium

Application

Heating, plumbing

Technical specifications

Nominal size
50 – 63 – 80 – 100

Measuring element
Bimetal helix

Accuracy class
2 (EN 13190)

Standard version

Connection
Stem: Brass or aluminium, \varnothing 9 mm
Thermowell: G $\frac{1}{2}$ B, brass or aluminium, \varnothing 9 mm
Thermowell: (removable (with locking screw for 160 °C and higher))

Mounting position
Centre back or bottom

Dial
Up to 120 °C: Plastic, white
 \geq 160 °C: Aluminium, white
Scaling black

Options

- Other ranges
- Nominal size 34, 160

Ranges °C
-20/+60, 0/60, 0/120, 0/160

Application area
Full scale value

Operating pressure at thermowell
Max. 6 bar

Pointer
Plastic, black

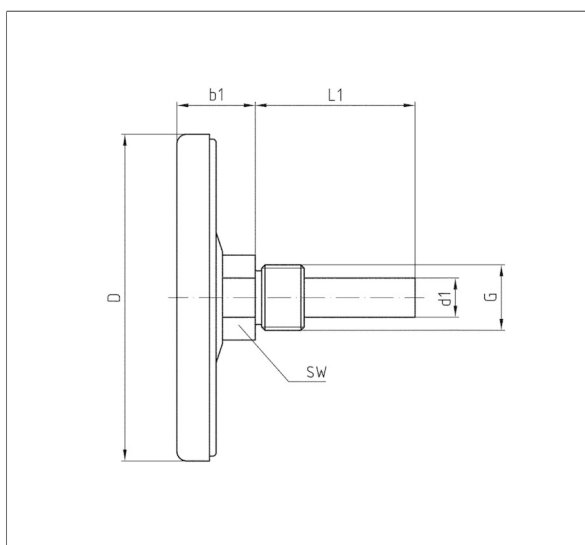
Housing
Sheet steel, galvanised

Push on bezel
Sheet steel, nickel-plated

Window
Plastic

Technical drawings

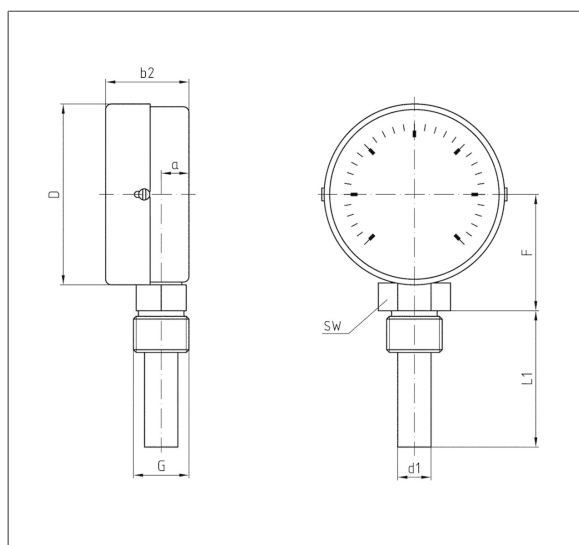
Centre back connection



Dimensions (mm)

| NG | b1 | D | d1 | G | L1 | SW |
|-----|------|-----|----|-----|-----|-------|
| 50 | 18 | 50 | 12 | G½B | 40 | 19/22 |
| 50 | 18 | 50 | 12 | G½B | 63 | 19/22 |
| 50 | 18 | 50 | 12 | G½B | 100 | 19/22 |
| 50 | 18 | 50 | 12 | G½B | 150 | 19/22 |
| 63 | 20 | 63 | 12 | G½B | 40 | 19/22 |
| 63 | 20 | 63 | 12 | G½B | 63 | 19/22 |
| 63 | 20 | 63 | 12 | G½B | 100 | 19/22 |
| 63 | 20 | 63 | 12 | G½B | 150 | 19/22 |
| 80 | 21 | 80 | 12 | G½B | 40 | 19/22 |
| 80 | 21 | 80 | 12 | G½B | 63 | 19/22 |
| 80 | 21 | 80 | 12 | G½B | 100 | 19/22 |
| 80 | 21 | 80 | 12 | G½B | 150 | 19/22 |
| 80 | 21 | 80 | 12 | G½B | 200 | 19/22 |
| 100 | 23,7 | 100 | 12 | G½B | 40 | 19/22 |
| 100 | 23,7 | 100 | 12 | G½B | 63 | 19/22 |
| 100 | 23,7 | 100 | 12 | G½B | 100 | 19/22 |
| 100 | 23,7 | 100 | 12 | G½B | 150 | 19/22 |
| 100 | 23,7 | 100 | 12 | G½B | 200 | 19/22 |
| 160 | 22 | 160 | 12 | G½B | 40 | 19/22 |
| 160 | 22 | 160 | 12 | G½B | 63 | 19/22 |
| 160 | 22 | 160 | 12 | G½B | 100 | 19/22 |
| 160 | 22 | 160 | 12 | G½B | 150 | 19/22 |

Bottom connection



Dimensions (mm)

| NG | a | b2 | D | d1 | F | G | L1 | SW |
|-----|----|------|-----|----|------|-----|-----|-------|
| 63 | 10 | 35 | 63 | 12 | 29,3 | G½B | 40 | 19/22 |
| 63 | 10 | 35 | 63 | 12 | 29,3 | G½B | 63 | 19/22 |
| 63 | 10 | 35 | 63 | 12 | 29,3 | G½B | 100 | 19/22 |
| 63 | 10 | 35 | 63 | 12 | 29,3 | G½B | 150 | 19/22 |
| 80 | 10 | 33 | 80 | 12 | 47,3 | G½B | 40 | 19/22 |
| 80 | 10 | 33 | 80 | 12 | 47,3 | G½B | 63 | 19/22 |
| 80 | 10 | 33 | 80 | 12 | 47,3 | G½B | 100 | 19/22 |
| 80 | 10 | 33 | 80 | 12 | 47,3 | G½B | 150 | 19/22 |
| 100 | 10 | 40,5 | 100 | 12 | 59,3 | G½B | 40 | 19/22 |
| 100 | 10 | 40,5 | 100 | 12 | 59,3 | G½B | 63 | 19/22 |
| 100 | 10 | 40,5 | 100 | 12 | 59,3 | G½B | 100 | 19/22 |
| 100 | 10 | 40,5 | 100 | 12 | 59,3 | G½B | 150 | 19/22 |



Versions

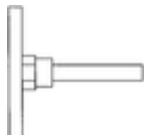
BiTh 50 ST



| Housing \varnothing | Mounting position | Range | Stem length | Type | Part no. |
|-----------------------|-------------------|----------|-------------|------------|----------|
| 50 mm | Centre back | 0/60 °C | 40 mm | BiTh 50 ST | 64027B |
| 50 mm | Centre back | 0/60 °C | 63 mm | BiTh 50 ST | 64028B |
| 50 mm | Centre back | 0/60 °C | 100 mm | BiTh 50 ST | 64029B |
| 50 mm | Centre back | 0/60 °C | 150 mm | BiTh 50 ST | 64030B |
| 50 mm | Centre back | 0/120 °C | 40 mm | BiTh 50 ST | 64031B |
| 50 mm | Centre back | 0/120 °C | 63 mm | BiTh 50 ST | 64032B |
| 50 mm | Centre back | 0/120 °C | 100 mm | BiTh 50 ST | 64033B |
| 50 mm | Centre back | 0/120 °C | 150 mm | BiTh 50 ST | 64034B |

Blue part no. = in-stock items

BiTh 63 ST



| Housing \varnothing | Mounting position | Range | Stem length | Type | Part no. |
|-----------------------|-------------------|------------|-------------|------------|----------|
| 63 mm | Centre back | -20/+60 °C | 40 mm | BiTh 63 ST | 63951 |
| 63 mm | Centre back | -20/+60 °C | 63 mm | BiTh 63 ST | 63952 |
| 63 mm | Centre back | -20/+60 °C | 100 mm | BiTh 63 ST | 63953 |
| 63 mm | Centre back | -20/+60 °C | 150 mm | BiTh 63 ST | 63954 |
| 63 mm | Centre back | 0/60 °C | 40 mm | BiTh 63 ST | 63860 |
| 63 mm | Centre back | 0/60 °C | 63 mm | BiTh 63 ST | 63861 |
| 63 mm | Centre back | 0/60 °C | 100 mm | BiTh 63 ST | 63862 |
| 63 mm | Centre back | 0/60 °C | 150 mm | BiTh 63 ST | 63864 |
| 63 mm | Centre back | 0/120 °C | 40 mm | BiTh 63 ST | 63801 |
| 63 mm | Centre back | 0/120 °C | 63 mm | BiTh 63 ST | 63802 |
| 63 mm | Centre back | 0/120 °C | 100 mm | BiTh 63 ST | 63803 |
| 63 mm | Centre back | 0/120 °C | 150 mm | BiTh 63 ST | 63804 |
| 63 mm | Centre back | 0/160 °C | 40 mm | BiTh 63 ST | 63983 |
| 63 mm | Centre back | 0/160 °C | 63 mm | BiTh 63 ST | 63984 |
| 63 mm | Centre back | 0/160 °C | 100 mm | BiTh 63 ST | 63985 |

Blue part no. = in-stock items



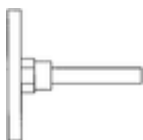
| Housing \varnothing | Mounting position | Range | Stem length | Type | Part no. |
|-----------------------|-------------------|------------|-------------|------------|----------|
| 63 mm | Centre back | 0/160 °C | 150 mm | BiTh 63 ST | 63986 |
| 63 mm | Bottom | -20/+60 °C | 40 mm | BiTh 63 ST | 64039 |
| 63 mm | Bottom | -20/+60 °C | 63 mm | BiTh 63 ST | 64040 |
| 63 mm | Bottom | -20/+60 °C | 100 mm | BiTh 63 ST | 64041 |
| 63 mm | Bottom | -20/+60 °C | 150 mm | BiTh 63 ST | 64042 |
| 63 mm | Bottom | 0/60 °C | 40 mm | BiTh 63 ST | 64043 |
| 63 mm | Bottom | 0/60 °C | 63 mm | BiTh 63 ST | 64044 |
| 63 mm | Bottom | 0/60 °C | 100 mm | BiTh 63 ST | 64045 |
| 63 mm | Bottom | 0/60 °C | 150 mm | BiTh 63 ST | 64046 |
| 63 mm | Bottom | 0/120 °C | 40 mm | BiTh 63 ST | 64047 |
| 63 mm | Bottom | 0/120 °C | 63 mm | BiTh 63 ST | 64048 |
| 63 mm | Bottom | 0/120 °C | 100 mm | BiTh 63 ST | 64049 |
| 63 mm | Bottom | 0/120 °C | 150 mm | BiTh 63 ST | 64050 |



Blue part no. = in-stock items

BiTh 80 ST

| Housing \varnothing | Mounting position | Range | Stem length | Type | Part no. |
|-----------------------|-------------------|------------|-------------|------------|----------|
| 80 mm | Centre back | -20/+60 °C | 40 mm | BiTh 80 ST | 63955 |
| 80 mm | Centre back | -20/+60 °C | 63 mm | BiTh 80 ST | 63956 |
| 80 mm | Centre back | -20/+60 °C | 100 mm | BiTh 80 ST | 63957 |
| 80 mm | Centre back | -20/+60 °C | 150 mm | BiTh 80 ST | 63958 |
| 80 mm | Centre back | 0/60 °C | 40 mm | BiTh 80 ST | 63865 |
| 80 mm | Centre back | 0/60 °C | 63 mm | BiTh 80 ST | 63866 |
| 80 mm | Centre back | 0/60 °C | 100 mm | BiTh 80 ST | 63867 |
| 80 mm | Centre back | 0/60 °C | 150 mm | BiTh 80 ST | 63868 |
| 80 mm | Centre back | 0/120 °C | 40 mm | BiTh 80 ST | 63806 |
| 80 mm | Centre back | 0/120 °C | 63 mm | BiTh 80 ST | 63807 |
| 80 mm | Centre back | 0/120 °C | 100 mm | BiTh 80 ST | 63808 |
| 80 mm | Centre back | 0/120 °C | 150 mm | BiTh 80 ST | 63809 |
| 80 mm | Centre back | 0/120 °C | 200 mm | BiTh 80 ST | 63842 |



Blue part no. = in-stock items



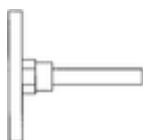
| Housing ^ø | Mounting position | Range | Stem length | Type | Part no. |
|----------------------|-------------------|------------|-------------|------------|-----------------------|
| 80 mm | Centre back | 0/160 °C | 40 mm | BiTh 80 ST | 63987 |
| 80 mm | Centre back | 0/160 °C | 63 mm | BiTh 80 ST | 63988 |
| 80 mm | Centre back | 0/160 °C | 100 mm | BiTh 80 ST | 63989 |
| 80 mm | Centre back | 0/160 °C | 150 mm | BiTh 80 ST | 63990 |
| 80 mm | Bottom | -20/+60 °C | 40 mm | BiTh 80 ST | 64055 |
| 80 mm | Bottom | -20/+60 °C | 63 mm | BiTh 80 ST | 64056 |
| 80 mm | Bottom | -20/+60 °C | 100 mm | BiTh 80 ST | 64057 |
| 80 mm | Bottom | -20/+60 °C | 150 mm | BiTh 80 ST | 64058 |
| 80 mm | Bottom | 0/60 °C | 40 mm | BiTh 80 ST | 64059 |
| 80 mm | Bottom | 0/60 °C | 63 mm | BiTh 80 ST | 64060 |
| 80 mm | Bottom | 0/60 °C | 100 mm | BiTh 80 ST | 64061 |
| 80 mm | Bottom | 0/60 °C | 150 mm | BiTh 80 ST | 64062 |
| 80 mm | Bottom | 0/120 °C | 40 mm | BiTh 80 ST | 64063 |
| 80 mm | Bottom | 0/120 °C | 63 mm | BiTh 80 ST | 64064 |
| 80 mm | Bottom | 0/120 °C | 100 mm | BiTh 80 ST | 64067 |
| 80 mm | Bottom | 0/120 °C | 150 mm | BiTh 80 ST | 64068 |



Blue part no. = in-stock items

BiTh 100 ST

| Housing ^ø | Mounting position | Range | Stem length | Type | Part no. |
|----------------------|-------------------|------------|-------------|-------------|-----------------------|
| 100 mm | Centre back | -20/+60 °C | 40 mm | BiTh 100 ST | 63959 |
| 100 mm | Centre back | -20/+60 °C | 63 mm | BiTh 100 ST | 63960 |
| 100 mm | Centre back | -20/+60 °C | 100 mm | BiTh 100 ST | 63961 |
| 100 mm | Centre back | -20/+60 °C | 150 mm | BiTh 100 ST | 63962 |
| 100 mm | Centre back | 0/60 °C | 40 mm | BiTh 100 ST | 63869 |
| 100 mm | Centre back | 0/60 °C | 63 mm | BiTh 100 ST | 63870 |
| 100 mm | Centre back | 0/60 °C | 100 mm | BiTh 100 ST | 63871 |
| 100 mm | Centre back | 0/60 °C | 150 mm | BiTh 100 ST | 63872 |
| 100 mm | Centre back | 0/120 °C | 40 mm | BiTh 100 ST | 63811 |
| 100 mm | Centre back | 0/120 °C | 63 mm | BiTh 100 ST | 63812 |



Blue part no. = in-stock items



| Housing ^ø | Mounting position | Range | Stem length | Type | Part no. |
|----------------------|-------------------|------------|-------------|-------------|-----------------------|
| 100 mm | Centre back | 0/120 °C | 100 mm | BiTh 100 ST | 63813 |
| 100 mm | Centre back | 0/120 °C | 150 mm | BiTh 100 ST | 63814 |
| 100 mm | Centre back | 0/120 °C | 200 mm | BiTh 100 ST | 63815 |
| 100 mm | Centre back | 0/160 °C | 40 mm | BiTh 100 ST | 64015 |
| 100 mm | Centre back | 0/160 °C | 63 mm | BiTh 100 ST | 64016 |
| 100 mm | Centre back | 0/160 °C | 100 mm | BiTh 100 ST | 64017 |
| 100 mm | Centre back | 0/160 °C | 150 mm | BiTh 100 ST | 64018 |
| 100 mm | Bottom | -20/+60 °C | 40 mm | BiTh 100 ST | 64073 |
| 100 mm | Bottom | -20/+60 °C | 63 mm | BiTh 100 ST | 64074 |
| 100 mm | Bottom | -20/+60 °C | 100 mm | BiTh 100 ST | 64075 |
| 100 mm | Bottom | -20/+60 °C | 150 mm | BiTh 100 ST | 64076 |
| 100 mm | Bottom | 0/60 °C | 40 mm | BiTh 100 ST | 64077 |
| 100 mm | Bottom | 0/60 °C | 63 mm | BiTh 100 ST | 64078 |
| 100 mm | Bottom | 0/60 °C | 100 mm | BiTh 100 ST | 64079 |
| 100 mm | Bottom | 0/60 °C | 150 mm | BiTh 100 ST | 64080 |
| 100 mm | Bottom | 0/120 °C | 40 mm | BiTh 100 ST | 64081 |
| 100 mm | Bottom | 0/120 °C | 63 mm | BiTh 100 ST | 64082 |
| 100 mm | Bottom | 0/120 °C | 100 mm | BiTh 100 ST | 64083 |
| 100 mm | Bottom | 0/120 °C | 150 mm | BiTh 100 ST | 64084 |



Blue part no. = in-stock items