

Rear Connect

BIMETAL THERMOMETERS



- ▶ 3", 5" Dial Sizes
- ▶ ± 1.0% Full Scale Accuracy
- ▶ Stainless Steel Case & Stem
- ▶ External Reset

B85204 shown

The Trerice **Rear Connect Bimetal Thermometer** has been designed to meet the needs of standard industrial applications and installations. This instrument features a stainless steel, hermetically sealed case, providing weather tight protection.

- Optional features available: Please consult the Options & Accessories Section for details.

Thermowell

- For corrosive or pressure applications, use of a thermowell is recommended to prevent damage to the thermometer and facilitate its removal from the process (refer to pages 155-161). For correct use and application of all Bimetallic thermometers, please refer to the Bimetallic Actuated Thermometer Standard ASME B40.3.

HOW TO ORDER

Sample Order Number: **B832 02 06**

| Model | Stem Length | Range Code |
|-------|----------------|---------------------|
| B832 | 02 2 1/2" Stem | See Standard Ranges |
| B852 | 04 4" Stem | |
| | 06 6" Stem | |
| | 09 9" Stem | |
| | 12 12" Stem | |
| | 15 15" Stem | |
| | 18 18" Stem | |
| | 24 24" Stem | |

Other lengths available: Specify in inches (72" maximum)

Specifications

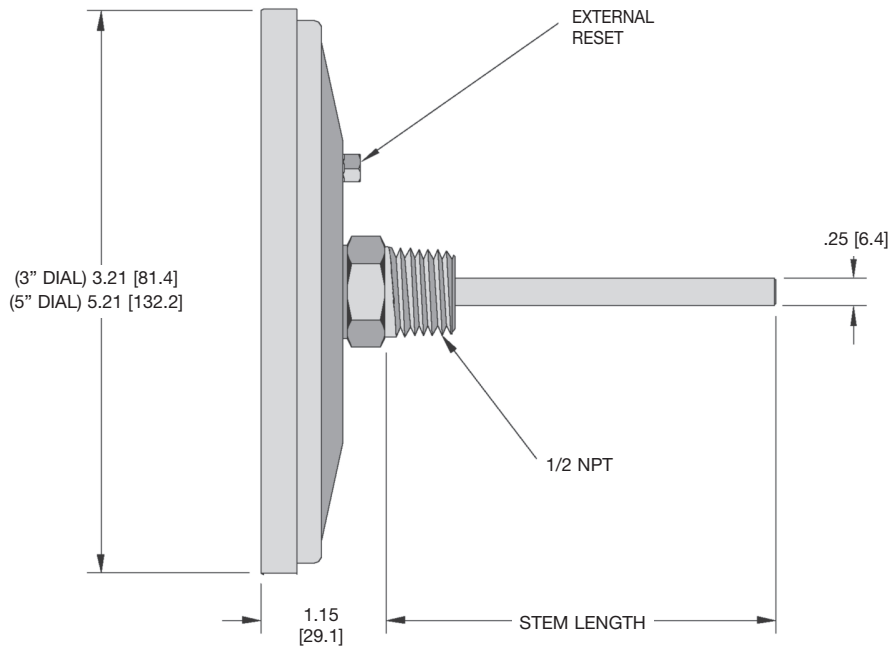
| Models | Dial Sizes |
|-----------------------|---|
| B832 | 3" |
| B852 | 5" |
| Case | 300 stainless steel, hermetically sealed |
| Stem | 300 stainless steel, 1/4" diameter |
| Coil | Bimetallic, silicone dampened ranges to 300°F (148°F), above 300°F not dampened |
| Connection | Rear, 1/2 NPT |
| Window | Double strength glass |
| Pointer | Balanced, black finished |
| Dial Face | Aluminum, white background with black and blue graduations and markings |
| External Reset | Yes |
| Accuracy | ±1.0 % Full Scale ASME B40.3 Grade A |

Approximate Shipping Weight

B832: 0.7 lbs [0.31 kg]
B852: 1.2 lbs [0.54 kg]

Rear Connect

All dimensions are nominal. Dimensions in [] are in millimeters.



Standard Ranges

| Dual Scale (Fahrenheit & Celsius Range) | | Fahrenheit only Range | | Celsius only Range | | Fahrenheit | | Celsius | |
|---|--------------------------------|-----------------------|----------------|--------------------|---------------|------------------|-----------------|------------------|-----------------|
| Range Code | Range | Range Code | Range | Range Code | Range | Figure Intervals | Minor Divisions | Figure Intervals | Minor Divisions |
| 01 | -100° to 100°F & -75° to 40°C | 01F | -100° to 100°F | 01C | -75° to 40°C | 20° | 2° | 10° | 1° |
| 02 | -40° to 160°F & -40° to 70°C | 02F | -40° to 160°F | 02C | -40° to 70°C | 20° | 2° | 10° | 1° |
| 12*† | 0° to 100°F & -20° to 40°C | 12F*† | 0° to 100°F | 12C*† | -20° to 40°C | 10° | 1° | 10° | 1° |
| 03*† | 25° to 125°F & -5° to 50°C | 03F*† | 25° to 125°F | 03C*† | -5° to 50°C | 10° | 1° | 5° | 1/2° |
| 04 | 0° to 200°F & -20° to 95°C | 04F | 0° to 200°F | 04C | -20° to 95°C | 20° | 2° | 10° | 1° |
| 05 | 20° to 240°F & -10° to 115°C | 05F | 20° to 240°F | 05C | -10° to 115°C | 20° | 2° | 10° | 1° |
| 27 | 0° to 250°F & -20° to 120°C | 27F | 0° to 250°F | 27C | -20° to 120°C | 50° | 2° | 20° | 2° |
| 06 | 50° to 300°F & 10° to 150°C | 06F | 50° to 300°F | 06C | 10° to 150°C | 50° | 2° | 20° | 2° |
| 07 | 50° to 400°F & 10° to 200°C | 07F | 50° to 400°F | 07C | 10° to 200°C | 50° | 5° | 50° | 2° |
| 08 | 50° to 500°F & 10° to 260°C | 08F | 50° to 500°F | 08C | 10° to 260°C | 50° | 5° | 50° | 2° |
| 09* | 150° to 750°F & 50° to 400°C | 09F* | 150° to 750°F | 09C* | 50° to 400°C | 100° | 10° | 50° | 5° |
| 10* | 200° to 1000°F & 100° to 550°C | 10F* | 200° to 1000°F | 10C* | 100° to 550°C | 100° | 10° | 100° | 5° |

* Minimum stem length for these ranges is 4".

† Minimum insertion length for these ranges is 3".