



# Rear Connect

BIMETAL THERMOMETERS



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.

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

| 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]     |                                                                                 |

## HOW TO ORDER

Sample Order Number: **B832 02 06**

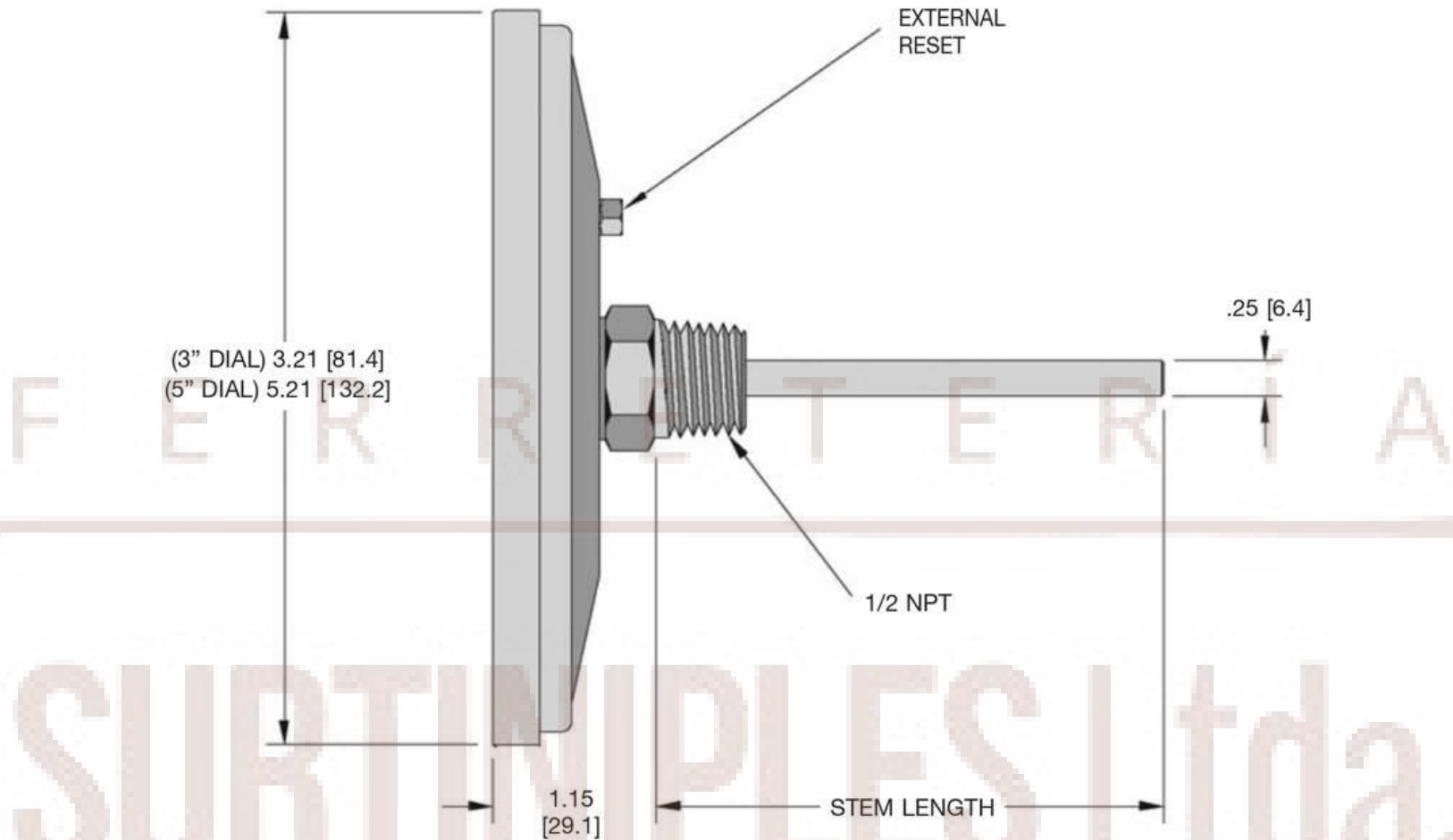
| Model        | Stem Length                                                                                                          | Range Code          |
|--------------|----------------------------------------------------------------------------------------------------------------------|---------------------|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

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

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

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## 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 stem length for these ranges is 3".