

Adjustable Angle

BIMETAL THERMOMETERS



B85606 shown

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

The Trerice **Adjustable Angle Bimetal Thermometer** can be configured to the most desirable viewing angle. This instrument has a hermetically sealed, stainless steel case designed to withstand the rigors of industrial environments, while producing an accurate, responsive measurement.

- 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.

Specifications

Models	Dial Sizes
B836	3"
B856	5"
Case	300 stainless steel, hermetically sealed
Stem	300 stainless steel 1/4" diameter
Coil	Bimetallic, silicone dampened on ranges to 300°F (148°C), above 300°F not dampened
Connection	Adjustable angle, 1/2 NPT
Window	Double strength glass
Pointer	Balanced, black finish
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

B836: 1.1 lbs [0.5 kg]
B856: 1.5 lbs [0.68 kg]

HOW TO ORDER

Sample Order Number: **B856 06 05**

Model	Stem (Length)	Range Code
B836	02 2 1/2" Stem	See Standard Ranges
B856	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)

Bottom Connect

BIMETAL THERMOMETERS



B85404 shown

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

The Trerice **Bottom Connection 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.

Specifications

Models	Dial Sizes
B834	3"
B854	5"
Case	300 stainless steel, hermetically sealed
Stem	300 stainless steel, 1/4" diameter
Coil	Bimetallic, silicone dampened on ranges to 300°F (148°C), above 300°F not dampened
Connection	Bottom, 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

B834: 0.8 lbs [0.36 kg]
B854: 1.6 lbs [0.72 kg]

HOW TO ORDER

Sample Order Number: **B834 04 04**

Model	Stem Length	Range Code
B834	02 2 1/2" Stem	See Standard Ranges
B854	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)

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	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)

Rear Connect X-Series

BIMETAL THERMOMETERS



- ▶ 3" Dial Size
- ▶ ± 1.0% Full Scale Accuracy
- ▶ Stainless Steel Case & Stem
- ▶ Hermetically Sealed Design

Perfect for OEM Applications

B831X04 shown

The Trerice **X-Series OEM Bimetal Thermometer** is designed to meet the demands of the OEM and industrial marketplace, but at an economical price. It features a hermetically sealed case with a narrow, space saving profile. This instrument does not include an external reset, ensuring tamperproof operation throughout the life of the unit.

- 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: **B831X 04 05**

Model	Stem Length	Range Code
B831X	02 2 1/2" Stem	See Standard Ranges
	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

Model	Dial Size
B831X	3"
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	Polycarbonate
Pointer	Balanced, black finished
Dial Face	Aluminum, white background with black and blue graduations and markings
External Reset	No
Accuracy	±1.0 % Full Scale ASME B40.3 Grade A

Approximate Shipping Weight

B831X: 0.5 lbs [0.22 kg]

Bimetal Plus

Integrated Thermocouple or RTD

BIMETAL THERMOMETERS



MODEL B85B06

- ▶ 3", 5" Dial Sizes
- ▶ ± 1.0% Full Scale Accuracy
- ▶ Local Indication/Remote Data Acquisition
- ▶ Thermocouple or RTD Sensors available

The Trerice **Bimetal Plus** has all the standard features of the Trerice Bimetal Thermometer, but with a "Plus." The "Plus" being an internally mounted thermocouple or RTD. This allows for remote temperature monitoring while still providing local indication. This dual sensor design eliminates the need for additional instrumentation or connections when designing a system to include both mechanical and electronic temperature sensing.

- 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.

Specifications

Models	Dial Sizes/Stem Styles
B836 B856	3" 5" } Adjustable Angle
B832 B852	3" 5" } Rear Connection
Case	300 stainless steel, hermetically sealed
Stem	300 stainless steel, 1/4" diameter
Coil	Bimetallic, silicone dampened on ranges to 300°F (148°C), above 300°F not dampened
Process Connection	Adjustable or rear, 1/2 NPT
Electrical Connection	T/C: Miniature plug RTD: Plug with molded cordset
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: 0.9 lbs [0.41 kg] B852: 1.4 lbs [0.64 kg] B836: 1.3 lbs [0.29 kg] B856: 1.7 lbs [0.77 kg]

HOW TO ORDER

Sample Order Number: **B856 06 05 TCJ**

Model	Stem Length*	Range Code	Sensor Type
B836	04 4" Stem	See Standard Ranges	TCE Type E Thermocouple
B856	06 6" Stem		TCJ Type J Thermocouple
B832	09 9" Stem		TCK Type K Thermocouple
B852	12 12" Stem		TCT Type T Thermocouple
	15 15" Stem		RTC 100Ω RTD
	18 18" Stem		
	24 24" Stem		

Other lengths available: Specify in inches (48" maximum).

* Minimum insertion length is 3 1/2".