Rear Connect X-Series

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

B831XD4 shown

Perfect for OEM Applications

Specifications

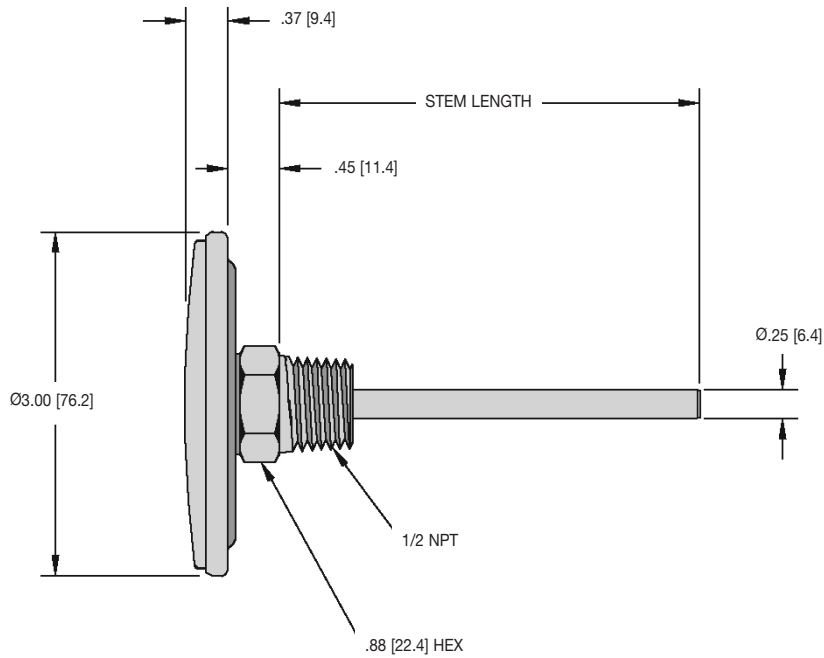| Model	Dial Size
B831X	3"
Case	300 stainless steel, hermetically sealed
Stem	300 stainless steel 1/4" diameter
Coil	Bimetallic, silicone dampened ranges to 300˚F (148˚F), above 300˚F not dampened
Connection	Rear 1/2 NPT
Window	Polycarbonate
Pointer	Balanced, black finished
Dial Face	Aluminum, white 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]

The Trerice **X-Series OEM Bimetal Thermometer** is designed to meet the demands of the OEM and industrial market-place, 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**	2¹/₂" 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)

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

.37 [9.4]

STEM LENGTH

.45 [11.4]

Ø.25 [6.4]

Ø3.00 [76.2]

1/2 NPT

.88 [22.4] HEX

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°

* Minimum stem length for these ranges is 4".
† Minimum insertion length for these ranges is 3".