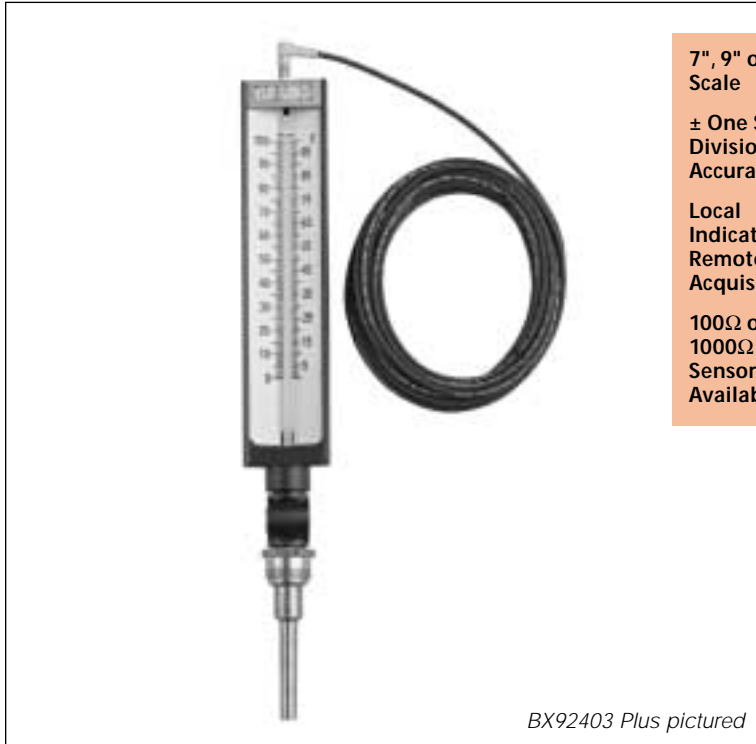


BX Plus Thermometer

with Integrated RTD



BX92403 Plus pictured

7", 9" or 12"
Scale

± One Scale
Division
Accuracy

Local
Indication/
Remote Data
Acquisition

100Ω or
1000Ω RTD
Sensors
Available

The Tertrice BX Plus has all the standard features of the original BX Series Industrial Thermometer, but with a "Plus". The "Plus" being an internally mounted 100Ω or 1000Ω RTD, allowing for remote temperature monitoring, while simultaneously providing local indication. This patented* dual sensor design eliminates the need for additional instrumentation or connections when designing a system to include both mechanical and electronic temperature sensing.

*U.S. Pat. Nos. 5,664,885 and 5,769,542.

Optional features are also available. Please consult the Options Section of this catalog for details.

These instruments are specifically designed for use with Tertrice Digital Indicators (see the Electronic Temperature Sensor Section of this catalog) and Electronic Controllers (see the Controller Section of the Tertrice Control Catalog).

Specifications

Models

BX9 Plus (Adjustable Angle)
BX1 Plus (Rigid Straight)
BX2 Plus (Rigid 90° Angle)

Scale Size

9"

Case

Cast aluminum, blue epoxy finished

Stem

Aluminum, brass or 304 stainless steel

Process Connection

1 1/4-18 UNEF-2A coupling nut

Electrical Connection

Molded cordset with coupling nut and six meter cable

Window

Acrylic on ranges to 300°F
Glass on ranges over 300°F

Tube

Lens front, red appearing mercury

Scale

Aluminum, white background with black graduations and markings

Top Plate

Stainless steel

Sensor

International grade thin film platinum, 3-wire, 100Ω or 1000Ω RTD
 $\alpha = 0.00385\Omega/\Omega/^{\circ}\text{C}$

Accuracy

Thermometer: ±1 scale division
RTD: ±0.3°C or 0.6% of temperature

Approximate Shipping Weight

BX9: 1.9 lbs [0.86 kg]
BX1: 1.7 lbs [0.77 kg]
BX2: 1.6 lbs [0.73 kg]

How to Order

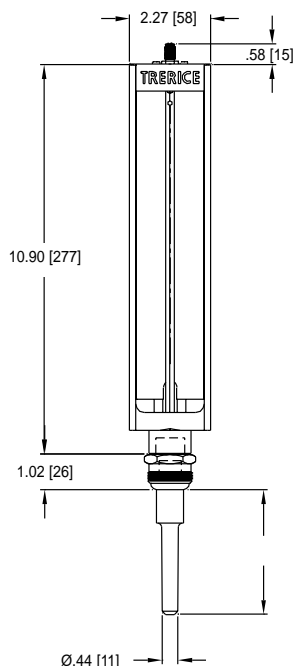
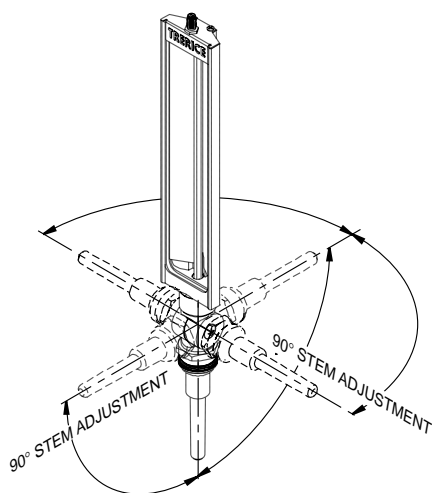
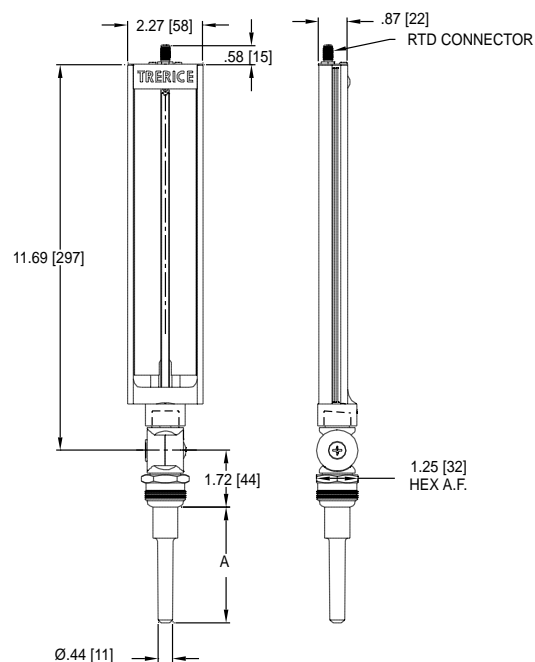
Sample Order Number BX9140307RTC
BX9 1 403 07 RTC

Model	Stem Material	Stem Length	Specific Range	Sensor Type
BX9 9" Adjustable	1 Aluminum (standard)	403 3 1/2"	See Standard	RTC 100Ω RTD
BX1 9" Straight	2 Brass	406 6"	Available Ranges	RTM 1000Ω RTD
BX2 9" 90° Angle	3 304 SS	408 8" 512 12"	(over)	

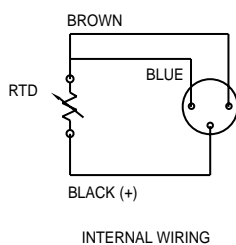
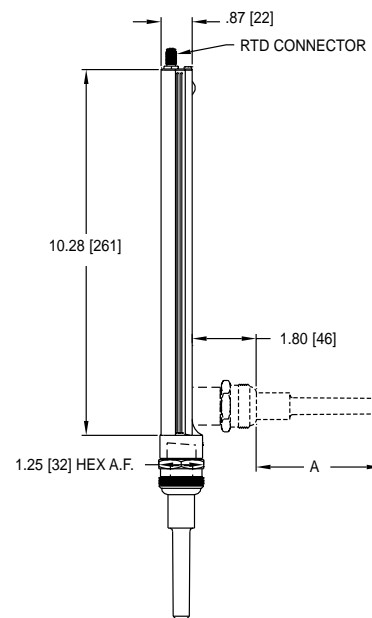
BX Plus Thermometer

with Integrated RTD

Adjustable Angle Case



Rigid Straight/Rigid 90° Angle Case



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

Stem Length A

3 1/2"	3.50	[88.9]
6"	6.00	[152.4]
8"	8.00	[203.2]
12"	12.00	[304.8]

Standard Available Ranges

Fahrenheit Ranges		Celsius Ranges		Dual Scale Ranges		Fahrenheit		Celsius	
Range Code	Range	Range Code	Range	Range Code	Range	Figure Intervals	Minor Divisions	Figure Intervals	Minor Divisions
01	-40° to 110°F	17	-40° to 40°C	41	-40° to 110°F & -40° to 40°C	10°	2°	10°	1°
02	0° to 100°F	24	-18° to 38°C	42	0° to 100°F & -18° to 38°C	5°	1°	10°	1°
03	30° to 130°F	25	0° to 55°C	43	30° to 130°F & 0° to 55°C	5°	1°	5°	1°
04	0° to 160°F	26	-18° to 70°C	44	0° to 160°F & -18° to 70°C	10°	2°	5°	1°
06	30° to 180°F	27	0° to 82°C	46	30° to 180°F & 0° to 82°C	10°	2°	5°	1°
07	30° to 240°F	19	0° to 115°C	47	30° to 240°F & 0° to 115°C	10°	2°	5°	1°
08	30° to 300°F	20	0° to 150°C	48	30° to 300°F & 0° to 150°C	10°	2°	10°	2°
09	50° to 400°F	28	10° to 205°C	49	50° to 400°F & 10° to 205°C	25°	5°	10°	2°