SX9 Solar Therm

Light–Powered Digital Thermometer

SX91403 shown

▶ **Light Powered
No Batteries Required**

▶ **7" Case Size**

▶ **Large LCD °F/°C
Switchable Display**

▶ **Min/Max Feature**

▶ **1% or 1°F Accuracy**

▶ **Cast Aluminum Case**

▶ **Adjustable-Angle Stem**

The Trerice **SX9 "Solar Therm"** is ideally suited for replacement of existing mercury-in-glass thermometers in environmentally conscious applications. It features a rugged cast aluminum case, easy to read LCD display and an adjustable-angle stem that is fully interchangeable with industrial liquid-in-glass thermometers. Also available is a bimetal type stem for applications where a digital thermometer is preferred over existing analog bimetals. The "**Solar Therm**" requires no external power and needs only 10 lux of illumination to operate. The unique Min/Max feature provides instant recall of minimum and maximum temperatures over a given period and is easily reset.

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

Thermowell
- For applications where the process media may be corrosive or contained under pressure, the use of a thermowell is required to prevent damage to the thermometer and facilitate its removal from the process. (Refer to page 152)

Specifications

Model	**Scale Size**
SX9	7" Adjustable Angle
Case	Cast Aluminum, Blue epoxy finish
Stem	Industrial, Bimetal or Air-Duct
Connection	Industrial: 1 1/4 -18 UNEF-2A coupling nut
	Bimetal: 304 Stainless steel 1/4" diameter
	Air-Duct: Reversible mounting flange with 3 bolt holes
Sensor	Glass passivated thermistor
Range	-40 to 300° F (-40° to 150° C)
Display	9/16" LCD digits switchable between F/C. Push button min/max readings with reset
Accuracy	1% or 1° F, whichever is greater
Resolution	1/10°
Update Interval	10 seconds
Lux Rating	10 Lux (one foot candle)
Ambient Operating Temperature	0 to 140° F (-20° to 60° C)
Ambient Temperature Error	None
Humidity	Maximum: 95 RH, non condensing
Approximate Shipping Weight	1.5 lbs [0.68 kg]

HOW TO ORDER

Sample Order Number: **SX9 1 403 05**

Model	Stem (Style & Material)	Stem (Length)	Specific Range
SX9 7" Adjustable	**1** Industrial (Aluminum)	**403** 3 1/2" (standard) **406** 6" (standard)	**05** -40° to 300° F/C
	5 Bimetal (304 SS)	**604** 4" Bimetal **606** 6" Bimetal	
	9 Air-Duct (Aluminum)*	**006** 6" Air-Duct **012** 12" Air-Duct	

* Not for use with Thermowell

SX9 Solar Therm

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

2.27 [58]

.87 [22]

9.69 [246]

69.4F

1.72 [44]

1.25 [32] HEX

A

Ø.44 [11]

BIMETAL STEM

1/2 NPT

A

0.25 [6.4]

AIR-DUCT STEM

.69 [18]

.88 [22]

2.27 [58]

A

.63 [16]

AIR-DUCT STEM
MOUNTING DIMENSIONS

ø2.50 [ø64]

ø.25 - 3 HOLES
EQUALLY SPACED

ø1.50 [ø38]

69.4F

90° STEM ADJUSTMENT

90° STEM ADJUSTMENT
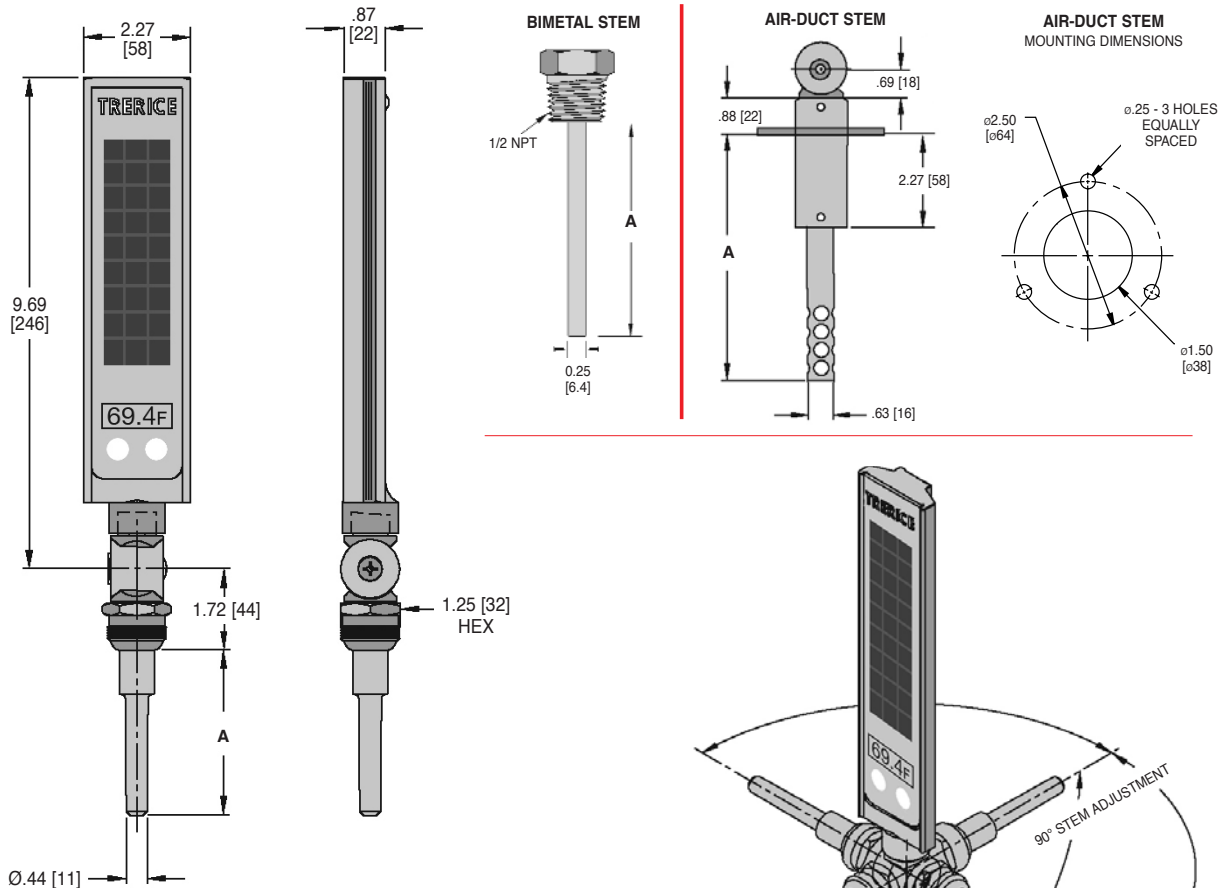
(A) Stem Length	Dimension	
3$\frac{1}{2}$" Industrial	3.50	[88.9]
6" Industrial	6.00	[152.4]
4" Bimetal	4.00	[101.6]
6" Bimetal	6.00	[152.4]
6" Air-Duct	6.00	[152.4]
12" Air-Duct	12.00	[304.8]
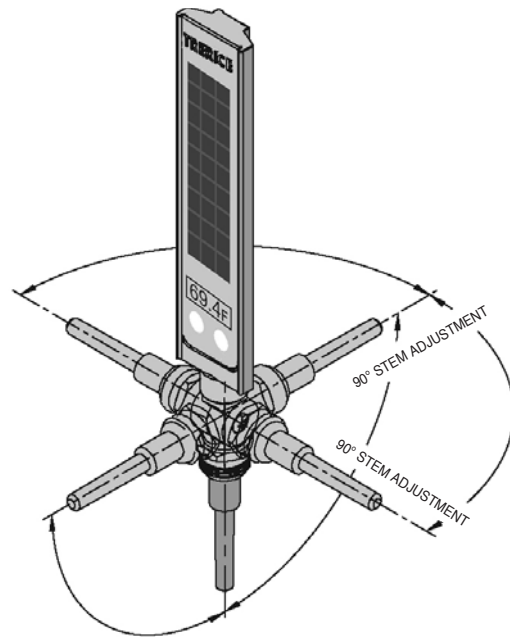
Thermowells for SX9 Solar-Therm

for INDUSTRIAL STYLE Stems				for BIMETAL STYLE Stems			
Model	Stem Length	Insertion Length	Material	Model	Stem Length	Insertion Length	Model
3-4F2	3$\frac{1}{2}$"	2$\frac{1}{2}$"	Brass	76-4G2	4"	2$\frac{1}{2}$"	Brass
3-4FA2	3$\frac{1}{2}$"	1.7" with 1" lagging extension	Brass	76-4GA2	4"	2" with 1" lagging extension	Brass
3-4J2	6"	5"	Brass	76-4J2	6"	4$\frac{1}{2}$"	Brass
3-4JD2	6"	2$\frac{1}{2}$" with 2$\frac{1}{2}$" lagging extension	Brass	76-4JC2	6"	2$\frac{1}{2}$" with 2" lagging extension	Brass