

SX9 Solar Therm

Light-Powered Digital Thermometer

INDUSTRIAL THERMOMETERS



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] |

Note: Not for outdoor use.

HOW TO ORDER

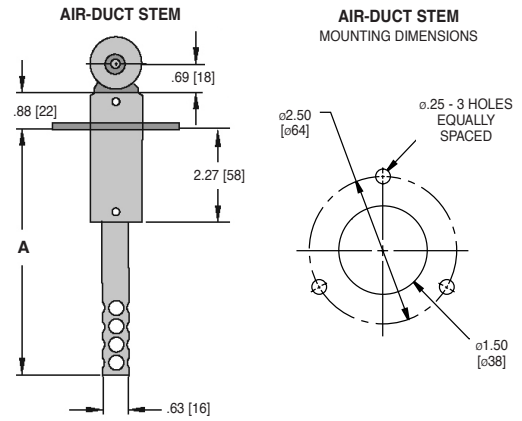
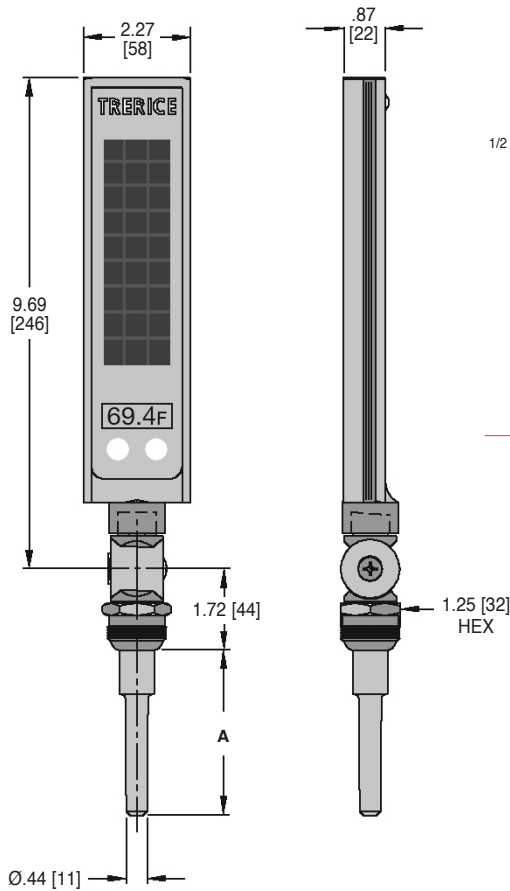
Sample Order Number: **SX9 1 403 05**

| 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 | |

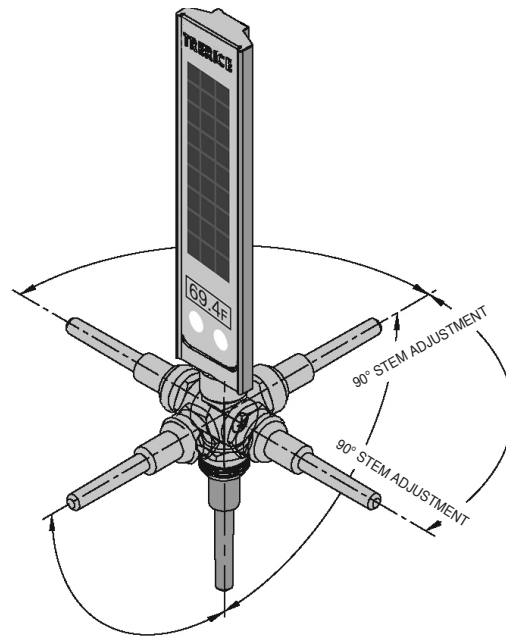
* Not for use with Thermowell

SX9 Solar Therm

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



INDUSTRIAL THERMOMETERS



| (A) Stem Length | Dimension |
|-------------------|--------------|
| 3 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] |

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 1/2" | 2 1/2" | Brass | 76-4G2 | 4" | 2 1/2" | Brass |
| 3-4FA2 | 3 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 1/2" | Brass |
| 3-4JD2 | 6" | 2 1/2" with 2 1/2" lagging extension | Brass | 76-4JC2 | 6" | 2 1/2" with 2" lagging extension | Brass |