

# RT8101E Solar Thermometer With External Sensor

## Instrument Operation

Position the thermometer in an area with sufficient light (250 lumens) to measure ambient conditions. Position the external probe where measurements are desired. If lighting falls below the minimum level the battery light will flash on the display and the unit will turn off after a short period of time. Once ample lighting is again achieved the unit will power back on. Min/Max are only recorded while the RT8101 is on.

## To Select °C or °F

Press the °C/°F button on the front of the thermometer to select the desired temperature unit.

## Using Max/Min

Press the MAX/MIN memory button to read the last maximum temperature measured.

Press once more to read the last minimum temperature measured.

Press once more to return to normal display.

Press RESET button to erase the current MIN/MAX temperatures.

## Specifications

<b>Measuring Range—External Sensor:</b>	-58°F to 158°F / -50°C to 70°C
<b>Ambient Operating Temperature</b>	32°F to 122°F / 0°C to 50°C
<b>Display Resolution</b>	0.1°
<b>Accuracy</b>	±2°F from -4 to 158°F, otherwise ±4°F ±1°C from -20 to 70°C, otherwise ±2°C
<b>Temperature Scale</b>	°F / °C Switchable
<b>Response Time</b>	10 second refresh rate
<b>Display Size</b>	1.9 (W) x 0.8 (H) inches 49 (W) x 21 (H) mms
<b>Power</b>	Solar, requires 250 lux
<b>Probe Cord Length</b>	59 inches / 1.5 meters
<b>Dimensions</b>	2.5 (W) x 2.7 (H) x 0.5 (D) inches 64.3 (W) x 68.3 (H) x 12 (D) mm
<b>Weight</b>	1.4 oz / 39.7 g



**ThermoWorks**

Utah, U.S.A.  
Ph: 801-756-7705  
Fax: 801-756-8948  
www.thermoworks.com



RT8101E Solar Thermometer  
with External Sensor



Made in China