

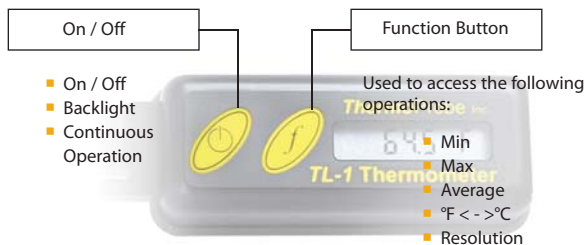
TL1-W



The TL1-W is a modified field version of our successful TL1-A thermometer. It features a rugged frame for reinforcement and is designed for continuous operation, but can be easily powered off if desired.

The TL1-W thermometer is intended to be used anywhere a precision glass stem thermometer or other type thermometer may be used. The TL1-W incorporates glass thermometer simplicity and reliability with the ease of a digital display. Like precision mercury thermometers, the TL1-W has accuracy, repeatability and long-term stability. But unlike those thermometers there will never be problems with mercury separation or hazardous material cleanup. Different from most precision electronic thermometers, the "Cordless" TL1-W has no wires to get in the way or break. Battery replacement is easily done through a sealed cover. Encoded calibration is unaffected by temperature, vibration or battery removal. Low battery display, and failure mode indications protect the user from false data.

4 Point NIST Traceable Calibration and a one year warranty included.



FEATURES of the TL1-W include: minimum reading, maximum reading, averaging, and easy °F to °C switching, backlight and a sturdy frame. In addition, the display arrows indicate increasing or decreasing temperature activity.

Certifications:



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SPECIFICATIONS

Display: LCD with 0.25 inch characters
Trend Indicating Arrows
Low Battery & Fault indication

User Functions: Auto-off after 20 minutes
Lowest Reading, Highest Reading,
Average Reading
Switchable in Units of °F or °C

Construction: Stainless steel temperature sensor;
Standard Sensor length 8" (20cm)
Standard diameter 1/4" (6.35mm) with
reduced diameter tip of 3/16" (4.76mm)
Sturdy Acetal frame surrounding
aluminum enclosure
Electronics and display in 3.5" x 1.2"
anodized Aluminum enclosure
Molded Silicone seal.
Highly durable display window,
graphics and membrane switches.

Weight: 6.5 ounces, 180 grams

Temperature: Resolution 0.01 Degrees
Calibrated Accuracy:
±0.1°F from 14 to 320°F
±0.06°C from -10 to 160°C
NIST Traceable Report of Test

Temperature Time Constant: 14 Seconds in water bath.

Electronics: Ultra Low Power Microcontroller
FLASH Memory
20 bit A/D Converter
Recommended temperature range
for best accuracy 32° to 112°F, 0°
to 44°C

Sensor: 100 Ohm, Class A 1/3 DIN RTD
Immersion depth 4", 11cm

Battery: 2 AAA Duracell MX2400
Battery Life several hundred hours
depending on backlight usage
Battery Operating Range -4 to 130°F,
-20 to 54°C
Note: Battery may not provide adequate
power if ambient temperature is below
40°F, 4°C or above 130°F, 54°C

Specifications subject to change