

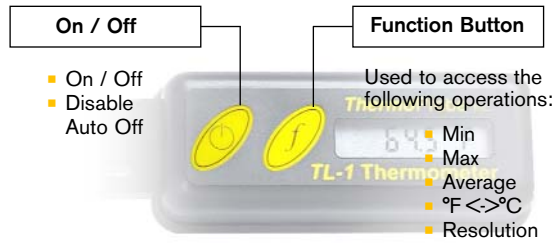
# TL1A



The TL-1A thermometer is intended to be used anywhere a precision glass stem thermometer or other type thermometer may be used.

The TL-1A is our latest stem thermometer. It is an improved version of the original ThermoProbe model TL-1. The TL-1A incorporates glass thermometer simplicity and reliability with the ease of a digital display. Like precision mercury thermometers, the TL-1A 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 electronic thermometers, the "Cordless" TL-1A 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.



NEW FEATURES exclusive to the TL-1A include: auto-off after 20 minutes to save battery life, minimum reading, maximum reading, averaging, easier °F to °C switching and an optional serial output. In addition, the new display constantly indicates temperature increasing or decreasing activity. In addition, the new display arrows indicate increasing or decreasing temperature activity.

## SPECIFICATIONS

<i>Display:</i>	LCD with 0.25 inch characters Trend Indicating Arrows Low Battery & Fault indication
<i>User Functions:</i>	Auto Off after 20 minutes or continuous operation Lowest Reading, Highest Reading, Average Reading Switchable in Units of °F or °C
<i>Construction:</i>	Stainless Steel temperature sensor; standard lengths 8", 21cm with narrow sensing tip. Sensor mount acetyl plastic Electronics and display in 3.5" x 1.2" anodized Aluminum enclosure Molded Silicone seal. Highly durable display window, graphics and membrane switches.
<i>Weight:</i>	3 ounces, 93 grams
<i>Temperature:</i>	Range -44 to 600°F, -43 to 315°C Resolution 0.01 Degrees Calibrated Accuracy ±0.1°F below 300°F ±0.2°F 300 to 400°F ±0.07°C below 150°C ±0.15°C 150°C to 200°C
<i>Temperature Response:</i>	32 to 200 °F in 25 seconds, water bath.
<i>Electronics:</i>	Ultra Low Power Microcontroller FLASH Memory 20 bit A/D Converter Minimum operating temp. dependant on battery condition Maximum ambient operating temp. 75°C 100 Ohm, Class A 1/3 DIN RTD, 0.05% /yr maximum drift.
<i>Battery:</i>	20mm Coin Size 3V Lithium, Type 2032 500 hour service life at room temperatures.
<i>Options:</i>	Stem length to 39", 1 m. Custom lengths available. Separate probe with high temp PFE cable Certification by independent calibration laboratory