

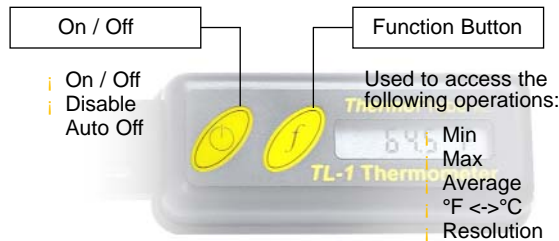
TL1A



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

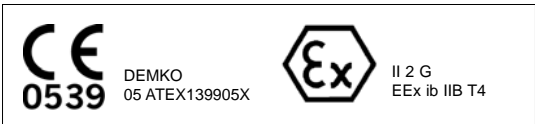
The TL-1A is our latest stem thermometer. It is an improved version of the original ThermoProbe model TL-1. The TL-1A incorporates glass thermometer simplicity and reliability with the ease of a digital display. Like precision mercury thermometers, the TL-1A has accuracy, repeatability and long-term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

Certifications:



SPECIFICATIONS

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

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

Construction: 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.

Weight: 3 ounces, 93 grams

Temperature: Range -44 to 600°F, -43 to 315°C
Resolution 0.01 Degrees
Calibrated Accuracy
±0.1°F below 300°F
±0.2°F above 300°F
±0.06°C below 150°C
±0.12°C above to 150°C

Temperature Response: 32 to 200 °F in 25 seconds, water bath.

Electronics: 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.

Battery: 20mm Coin Size 3V Lithium, Type 2032
500 hour service life at room temperatures.

Options: Stem length to 39", 1 m. Custom lengths available.
Separate probe with high temp PFE cable
Certification by independent calibration laboratory