



 **ThermoProbe** Inc.

TL-1 Laboratory Thermometer

ThermoProbe Inc. has adapted its petroleum industry experience to introduce our first digital thermometer for laboratory & field use. The TL-1 incorporates glass thermometer simplicity and reliability with the ease of a digital display. Like precision mercury thermometers, the TL-1 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-1 has no wires to get in the way or break. C/F designation, recalibration and battery replacements are easily done through a sealed cover. Encoded calibration is unaffected by temperature, vibration or battery removal. Low battery display, failure mode indications and a fail-safe digital readout protect the user from false data.

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

Specifications

- DISPLAY:** LCD with 0.25 inch characters
Switchable in Units of °F or °C
Low Battery & Fault indication
- CONSTRUCTION:** Stainless Steel temperature sensor, standard lengths 4", 9", 10cm, 23cm with narrow sensing tip.
Sensor mount acetal plastic. Electronics and display in 3.5" x 1.2" anodized Aluminum enclosure. Nitrile seal.
Highly durable display window and graphics.
- WEIGHT:** 4 ounces, 124 grams
- TEMPERATURE:** -44 to 600 °F, -43 to 315 °C Complete Range
0.1 Degree Resolution, < ±0.2 °F Accuracy
below 250 °F, < ±0.5 °F 250 to 600 °F.
- TEMP. RESPONSE:** 32 to 200 °F in 25 seconds, water bath.
- ELECTRONICS:** Microcontroller and precision A/D Converter with EEPROM memory. Min. ambient temp. depended on battery condition, max. ambient temp. 75 °C.
1000 Ω, Class A Platinum RTD, 0.05%/yr max. 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