



### **TW-1 Ruggedized Thermometer**

ThermoProbe Inc. has adapted its petroleum industry experience to introduce our first immersible, **water-proof** digital thermometer built for rugged field use. The TW-1 incorporates glass thermometer simplicity and reliability with the ease of a digital display. Like precision mercury thermometers, the TW-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 TW-1 has no wires to get in the way or break and is very durable. C/F designation, recalibration and battery replacements are easily done through the 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.

**Water-Proof design allows for moderate submersion and easy clean-up in harsh environments that would normally destroy other thermometers.**

3 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:** Standard Stainless Steel temperature sensor, with 9", with fast response tip. Other sensors types available.  
Electronics and display in a waterproof, aluminum enclosure. Highly durable display window and graphics.

**TEMPERATURE:** -44 to 250 °F, -43 to 121 °C Range, 0.1 Degree Resolution  
< +0.2 °F Accuracy

**ELECTRONICS:** Microcontroller and precision A/D Converter with EEPROM memory. Min. ambient temp. dependant 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:** Sensors with custom tips and lengths, sensor on cable, extended range to 600 °F /315 °C



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