

**Temperature:**

Two 5-pin DIN connector channels  
Accepts 100Ω and 200Ω RTD, PRT or SPRT  
Standard 5 Point Calibration:

Resistance	Accuracy
20Ω	+/-0.002°C
100Ω	+/-0.007°C
190Ω	+/-0.015°C
265Ω	+/-0.021°C
425Ω	+/-0.032°C

Resolution: 0.001 Degrees

Range: -328°F to 1764°F (-200°C to 962°C)

-depending on sensor selection

ITS-90 or Callandar-Van Dusen Linearization equations

Factory Calibration of TL2-A & PRT system available for  
-4°F to 572°F (-20°C to 300°C) range

**PC & Data Logging Features:**

Data capture to USB Flash drive  
-saved in CSV format (comma delimited)

Data capture to PC via HyperTerminal  
Selectable logging intervals and polling mode

2-Channel Sensor coefficient entry  
-via USB & included software

**Unit Interface Features:**

Large 0.5" (1.3cm) character LCD with backlight

Switchable units °C, °F, °K or Ω

Resolution 0.01, 0.001 or 0.0001 for Ohms

Zero Offset adjustment

Temperature triggered SPDT relay output (Channel 1)

Stores and displays Average, Lowest & Highest readings.

Arrows indicating increasing/decreasing temperature.

**Construction:**

Rugged powder coated steel enclosure with silicone buttons and a durable polyester graphics window.

Nominal Body Dimensions: 7.25 x 5.25 x 2.25"  
(18.4 x 13.3 x 5.7cm)

Nominal Weight: 1lb. 10oz (0.74kg)

**TYPICAL APPLICATIONS**

Distillations, temperature baths, melting point tests, flash point tests, reference, thermowells, provers, temperature calibration for flow meters.

Industries:

Laboratory  
Pharmaceutical  
Food  
Pour Point Test

## ▶ TL2-A USB Interface Reference Thermometer

The TL2-A is a 2-channel precision bench top thermometer offering the convenience of sensor configuration through the USB port of your Windows computer. Coefficient entry from your keyboard makes it easy to change from a daily use RTD to a SPRT including user selectable choice of ITS-90 or Callandar-Van Dusen equations. Faceplate interface allows viewing of Highest, Lowest and Average Readings, Zero Offset adjustment for sensor drift and readings in C, F, K and Ohms. Also the TL2-A can log data to a PC or USB Flash drive.

Units come with 5 point resistance calibration from 20 to 425 ohms.

With available PRT(s) ThermoProbe can provide a temperature reference system.

A one year warranty, calibration report, USB cable, Flash drive, interface software and country specific power adaptor are included.