

# TMP70 Thermocouple Thermometer

High-accuracy thermometer supports Type J, K, and T Thermocouples



## Key Features

### Wide temperature measurement range

Up to 2502°F (1372°C) depending on probe type

### Display

Large LCD Display with backlight

### Units of Measurement

User-selectable °F / °C / K temperature units

### Memory

MAX/MIN memory and Data Hold function

### Calibration

User Calibration Offset:  $\pm 41^{\circ}\text{F}$  ( $\pm 5^{\circ}\text{C}$ )

### Power Management

Auto Power Off after 15 minutes of inactivity

### Notifications

Low Battery and Overrange indication

### Optional Model

Complete with Certificate of Traceability to N.I.S.T.

### Includes

Type K Thermocouple, USB Cable, 9V battery, and a carrying case



## Applications

- Industrial equipment temperature diagnostics
- HVAC system monitoring
- Laboratory and research measurements
- Food processing and storage compliance
- Electrical component testing

## Users

- HVAC Technicians
- Industrial Maintenance Professionals
- Food Safety Inspectors
- Laboratory Personnel
- Electronics Repair Technicians

# TMP70 Thermocouple Thermometer

High-accuracy thermometer supports Type J, K, and T Thermocouples

This versatile Type K Thermometer offers a wide temperature measurement range up to 2502°F (1372°C), depending on the probe used. It features a large LCD display with optional backlight, user-selectable °F/°C/K units, and essential functions like MAX/MIN memory, Data Hold, and a user calibration offset of  $\pm 41^{\circ}\text{F}$  ( $\pm 5^{\circ}\text{C}$ ).

## Specifications

Temperature Range	Type J: -328 to 1832°F (-200 to 1000°C) Type K: -418 to 2502°F (-250 to 1372°C) Type T: -418 to 752°F (-250 to 400°C)
Resolution	0.1°F/°C from -146.2°F to 1832°F (-99.9 to 999.9°C), 1°F/°C outside that range
Accuracy	$\pm 1\%$ of reading + 33.8°F (1°C) below -146.2°F (-99.9°C), $\pm 1\%$ + 32.9°F (0.5°C) above -146.2°F (-99.9°C)
Sampling Rate	3 readings every 2 seconds
Auto Power Off	After 15 minutes of no operation
Battery	9V (NEDA 1604 or 6F22)
Display	Large backlit LCD with MAX/MIN/Data Hold indicators
Input Type	Single input for Type J, K, or T Thermocouple
Overrange Indication	"OL" displayed
Low Battery Indicator	Battery icon appears on screen
User Calibration	$\pm 41^{\circ}\text{F}$ ( $\pm 5^{\circ}\text{C}$ ) adjustable via front panel buttons
Dimensions (HxWxD)	7.3 x 2.6 x 1.8 (185 x 65 x 45 mm)
Weight	8.7oz (248g)

## Ordering Information:

**TMP70** Thermocouple Thermometer

**TMP70-NIST** TMP70 including Certificate of Traceability to N.I.S.T.

## What's in the Box?

- TMP70
- (1) Type K Thermocouple
- USB Cable
- 9V battery
- Case

