

# Total Range Thermometer

## SPECIFICATIONS

Range: -328°F ~ 2498°F or -200°C ~ +1370°C  
Resolution: 0.1 between -199.9 to 1369.9  
Accuracy\*: ±1°C between -50°C to 740°C, otherwise ±2°C  
Probe: Type K  
Battery: AAA

*\*Accuracy is specified for unit operating temperatures between 64°F and 82°F (18°C and 28°C). The accuracy specification does not include thermocouple error.*

## OPERATION

Insert the Type K probe's plug into the unit's keyed receptacle. Press the round, yellow "on/off" button, the timer begins to count and the temperature displays.

### Temperature Measurement

Press °F/°C to select desired unit.

### Hold/Test Function

Press HOLD - "HOLD" sign flashes on display to retain temperature tested. Press HOLD again and unit will return to testing mode and "HOLD" sign will disappear.

### Maximum and Minimum Function

Press MAX/MIN, "MIN" appears with the minimum temperature achieved. Press again "MAX" appears with the maximum temperature achieved.

### Temperature Alarm Setting

#### 1. High Alarm Setting

**Press HI AL** - "HI" sign appears. -199°C or -327°F and AL are displayed.

**Press SET/TIMER** - the hundred digit flashes. The number can be chosen from -1 to 13 for °C or -3 to 24 for °F. **Press HI AL** to increase.

**Press LOW AL** - the unit digit flashes, numbers 00 to 99 can be chosen. **Press HI AL** to increase.

**Press SET/TIMER** to set High Alarm.

The maximum temperature is 2497°F (or 1369°C). When set temperature is reached, the alarm beeps. **Press any key to stop the alarm.**

#### 2. Low Alarm Setting

**Press LOW AL** - "LOW" sign appears. -199°C or -327°F and AL are displayed.

**Press SET/TIMER** - the hundred digit flashes. The number can be chosen from -1 to 13 for °C or -3 to 24 for °F. **Press HI AL** to increase.

**Press LOW AL** - the unit digit flashes, numbers 00 to 99 can be chosen. **Press HI AL** to increase.

**Press SET/TIMER** to set Low Alarm.

The minimum temperature is -327°F (or -199°C). When the set temperature is reached, the alarm beeps. **Press any key to stop the alarm.**

### Timer

#### 1. Alarm Setting for Count Up Timing

Press SET/TIMER. AL and ((( appears and the timer displays 0:00:00 (representing hour: minute : second).

Press SET/TIMER again. The hour digit flashes. Press HI AL to increase. Press LOW AL to move to setting minutes. The minute digit flashes. Press the HI AL to increase.

Press SET/TIMER to return to the normal mode. When the alarm is on, ((( appears on the display. When the set time is reached the unit makes audible beeps. Press any key to stop the alarm or alarm will turn off automatically.

#### 2. Alarm Cancellation

The alarm can be cancelled by turning the unit off.

### Backlight Function

Press the light icon - the back light is on. Press the light icon again - light is off.

### PVC Case and Flip-Out Stand

The PVC case protects the thermometer from moisture and outdoor elements. A flip-out stand is attached to the back of the case for bench or table use.

### ALL OPERATIONAL DIFFICULTIES

If this thermometer does not function properly for any reason, please replace the battery with a new high quality battery (see "Battery Replacement" section). Low battery power can occasionally cause any number of "apparent" operational difficulties. Replacing the battery with a new fresh battery will solve most difficulties.

### BATTERY REPLACEMENT

Erratic readings or faint/no display are all indications that the battery must be replaced. To remove the thermometer from the PVC case pull the sides of the case away from the front of the thermometer and pull off the case. Using a coin, turn the two screws of the battery cover on the back of the unit. Remove the exhausted batteries and replace with 3 new AAA batteries. Replace battery cover and case.

### WARRANTY, SERVICE OR RECALIBRATION

For warranty, service or recalibration contact:

**TIP TEMPerature Products**  
**340 W. Broad Street**  
**Burlington, NJ 08016**

**Tel: 1-800-847-8367 Fax: (609)**  
**239-1911**

**Web: [www.tiptemp.com](http://www.tiptemp.com)**