

# TRACEABLE® ALARM THERMOMETER INSTRUCTIONS

## SPECIFICATIONS

Display:	½" 4-Digit LCD
Range:	-50.0 to 260.0°C / -58.0 to 500.0°F
Resolution:	Min 0.1°C to Max 0.5°C Min 0.2°F to Max 1.0°F
Accuracy:	±1°C (0 to 60°C) ±2.0°C (full range)
Alarm:	High and Low settings in 1° increments
Sampling Rate:	2 or 10 seconds selectable
Timing Capacity:	59 hours, 59 seconds
Timing Resolution:	1 second
Timing Accuracy:	0.01%

## TEMPERATURE MEASUREMENT

Note: Remove the red insulating strip to put the battery into service.

1. The probe may be used to monitor temperatures in air/gas, liquids, and semi-solids. Place the stainless steel portion of the probe in contact with the material to be measured.  
Note: The probe handle and cable are not waterproof. **Do not immerse the probe handle or cable in liquid.** Immersing the probe handle or cable in liquid can cause permanent damage to the thermometer.  
Open the battery/cable compartment located in the middle of the back of the unit to access the 3 foot probe cable and battery (see Fig. 2).
2. Press and hold On/Fast button to activate the Fast update rate (2 second update rate). The update rate will return to Normal (10 second update rate) after releasing On/Fast button. The battery is exhausted sooner when using fast sensing.
3. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
4. Slide the °F/°C switch to °F to display the temperature in Fahrenheit or to °C to display the temperature in Celsius.
5. Press Off/Auto Off Button twice to turn the unit off. To conserve battery life, always turn the unit off when not in use.

## SETTING HIGH TEMPERATURE ALARM

1. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
2. Verify unit is in Thermometer mode by pressing Temp/Timer button until temperature reading appears on display.
3. Press the HI/Hour button once to access High Temperature Alarm. HI and ALARM indicators appear on the display.
4. Press HI/Hour button again to advance setting by one degree. Press and hold HI/Hour button for rapid temperature advancement (10 digits at a time). Continue pressing HI/Hour button until desired temperature setting appears on display.  
Note: The High Temperature Alarm range is from -50 to 260°C (-58 to 500°F). Once the display has been advanced to 260°C (500°F), the display will roll over to 50°C (-58°F) with next press of HI/Hour button.
5. Once desired temperature setting appears on display, do not press any buttons. After a few seconds, the display will return to the current temperature reading. A HI indication will appear along bottom of display to signal that the High Temperature Alarm is set.

## SETTING LOW TEMPERATURE ALARM

1. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
2. Verify unit is in Thermometer mode by pressing Temp/Timer button until temperature reading appears on display.
3. Press Lo/Min button once to access Low Temperature Alarm. LO and ALARM indicators appear on display.
4. Press Lo/Min button again to advance setting by one degree. Press and hold Lo/Min button for rapid temperature advancement (10 digits at a time). Continue pressing Lo/Min button until desired temperature setting appears on display.  
Note: The Low Temperature Alarm range is from -50 to 260°C (-58 to 500°F). Once the display has been advanced to 260°C (500°F), the display will roll over to -50°C (-58°F)
5. Once desired temperature setting appears on display, do not press any buttons. After a few seconds, the display will return to the current temperature reading. A LO indication will appear along bottom of display to signal that the Low Temperature Alarm is set.

## TEMPERATURE ALARM

When the temperature on the display matches or is outside of the high or low range settings, the alarm will sound for 1 minute and the corresponding HI or LO indicator will flash. The HI or LO indicator will continue flashing after 1 minute until a button is pressed. To silence a sounding alarm, press any button.

Note: Switching between Thermometer and Timer modes will not affect High or Low Temperature Alarms. If unit is in Timer mode when a High or Low Temperature Alarm activates, alarm will sound and HI or LO indicator will flash on display.

## DISABLING A TEMPERATURE ALARM SETTING

1. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
2. Press HI/Hour or Lo/Min button once to access the High or Low Temperature Alarm setting. HI or LO and ALARM indicators will appear on display.
3. Press On/Fast button to clear the High or Low Temperature Alarm setting. Four dashes will appear on the display indicating the alarm is disabled.  
Note: Pressing On/Fast button again will return display to the previous High or Low Temperature Alarm setting. Each press of On/Fast button will toggle between enabled and disabled alarm settings.
4. Allow thermometer to return to current temperature reading. HI and/or LO indicator(s) will no longer appear along bottom of display when the alarm is disabled.

## RECALL MINIMUM/MAXIMUM MEMORY

1. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
2. Press Max/Min button as necessary to cycle through maximum (MAX), minimum (MIN), and current temperature recordings on display.  
Note: The Min/Max memory is automatically recorded once the battery is placed into service. Turning the unit off will NOT reset the memories. The memories must be reset manually (see "Reset Minimum/Maximum Memory").

## RESET MINIMUM/MAXIMUM MEMORY

1. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
2. Press Max/Min button until either the maximum or minimum recording appears on display. A MAX or MIN indicator will appear along bottom of display to signal when the maximum or minimum recording is displayed.
3. Press and hold On/Fast button until the maximum or minimum recording changes to the current temperature recording.  
Note: When resetting minimum or maximum temperature memories, the current temperature becomes the new minimum or maximum recording.

## TIMER USAGE INSTRUCTIONS

1. Place your thumb on the middle of the front of the unit and slide the top cover down to expose the controls (see Fig. 1).
2. Press Temp/Timer button to access Timer mode. A TIMER indication will appear in the right-top corner of display when unit is in Timer mode.
3. Verify timer is NOT counting down by viewing the display. If timer is counting down, press Start/Stop button to interrupt countdown timing.
4. Press and hold On/Fast button until the display reads 00:00:00.
5. Press HI/Hour button to advance the hour setting. For rapid advancement (10 digits at a time), press and hold HI/Hour button.
6. Press Low/Min button to advance the minute setting. For rapid advancement (10 digits at a time), press and hold Low/Min button.
7. Once desired time is on display, Press Start/Stop button to begin countdown timing.
8. To pause countdown timing, press Start/Stop button to freeze display. To resume timing, press Start/Stop button again. An unlimited number of time-outs may be taken in this manner.
9. When countdown reaches 00:00:00, alarm will sound for 1 minute and TIMER indication will flash on display. TIMER indication will continue flashing after 1 minute until a button is pressed. The alarm may be silenced manually by pressing any key.  
Note: Switching between Timer and Thermometer modes will not affect countdown timing. If unit is in Thermometer mode when Timer alarm activates, alarm will sound and TIMER indication will flash on display.

## CLIP

The unit is supplied with a clip, located on the upper back of the unit, which may be used to clip the thermometer to a clipboard, notebook, or lab coat. (see Fig. 2)

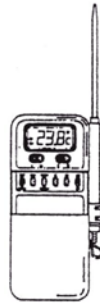


Figure 1

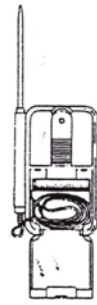


Figure 2

#### **STAND**

The unit is also supplied with a bench stand that is a part of the battery cover. To use the bench stand, locate the small rectangular opening at the bottom of the unit. Place your fingernail into the opening and flip the stand up. To close the stand, simply snap it shut.

#### **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, a faint alarm, no alarm, a faint display, or no display are all indicators that the battery must be replaced. To replace the battery, open the battery compartment door located on the back of the unit (see Fig. 2). Remove the exhausted battery and replace it with a new AAA alkaline 1.5 volt battery. Snap the battery compartment shut.

#### **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)**