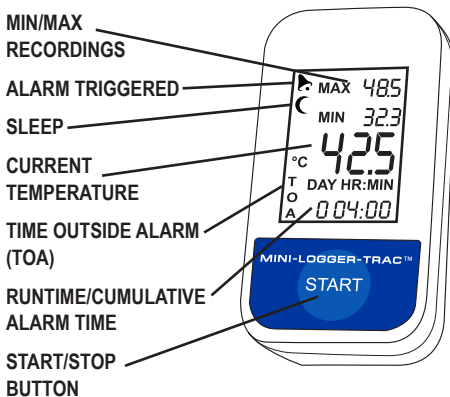


## DESCRIPTION

Mini-Logger-Trac™ is the revolutionary, multi-use, user programmable, electronic temperature data recorder specifically designed for measuring environmental temperatures during the transportation of refrigerated vaccines, biological material, chemicals, pharmaceuticals, and for documenting the transportation of perishable commodities.

FIGURE 1



## LCD DISPLAY

**MIN/MAX RECORDINGS** – The minimum and maximum temperatures that have occurred since the device was initialized.

**ALARM TRIGGERED** – Indicates the temperature is in an active alarm state.

**SLEEP** — Indicates unit is in stand by mode

**CURRENT TEMPERATURE** – Current temperature reading.

**TIME OUTSIDE ALARM (TOA) SYMBOL**– Indicates cumulative time outside alarm duration is being displayed.

**RUN TIME/CUMULATIVE ALARM TIME** – Indicates the amount of time passed since the thermometer logging was initialized/started. However, when the TOA symbol is present, the Cumulative Alarm Time is being displayed.

**START/STOP BUTTON** – The button is used to start the device logging once it has been initialized. Hold button down for 5 seconds to activate logging. If the Stop key feature is enabled, pressing and holding the button will stop logging preemptively. Note: if the thermometer is stopped using the Stop button, the thermometer must be reinitialized using the MaxiThermal software before logging may be restarted.

## PRE-PROGRAMMED SETTING

All units are pre-programmed at factory with the following settings:

- Temperature units: Celsius
- Alarm setting – Minimum: 2°C Maximum: 8°C
- Recording duration: 30 days
- Recording interval: 5 minutes 33 seconds
- User Stop Key Enable: enabled
- Start delay: 15 minutes

## PROGRAMMABLE USER SETTINGS

Through MaxiThermal software (not included) and USB interface (not included), user is able to program the unit to their specific requirements. Programmable options are listed as follows:

- **Description** – Each Logger-Trac™ device may be programmed with a unique description. This allows the user to identify at the time of download where the device was used.
- **Time zone** – Set time on unit to a specific time zone.
- **Auto Adjust Daylight Time enable** – The internal clock will automatically adjust when daylight savings time shift occurs.
- **Temperature Measurement Units (Celsius/Fahrenheit)** – The temperature data will display on LCD in selected measurement units.
- **Start delay** – When this feature is used, a time delay occurs before data recording is started after the user

presses the START button.

- **Recording duration/Sample Interval** – User can either select the data recording interval or the total recording duration. Note the parameters are dependent upon each other so changing one field also changes the other.
- **Alarm setting** – Maximum and minimum alarm temperature boundaries can be set. Setting resolution is 1°.
- **No alarm** – Disable the alarm with this option.
- **User Stop Key Enable** – This feature allows the user to halt data recording by holding down the START button on the device once recording is started.

## HOW TO START THE DATA LOGGER

1. When ready to begin recording, press and hold the START button for 5 seconds on the front panel. The LCD will become active and display the current temperature as well as the REC symbol to indicate logging is now active.
2. Place thermometer in environment to begin monitoring.

## HOW TO STOP THE DATA LOGGER

1. User may stop the thermometer logging by pressing and holding the START button for 3 seconds. The LCD will display the word END once logging is stopped. The logging can also be stopped in advance of the preprogrammed logging duration time by plugging the thermometer into the USB cradle (not included) and selecting Stop under the Logger Menu in MaxiThermal

software (not included). Once the device has been stopped, the user may download the logged data from the thermometer.

2. Logging cannot be restarted until the thermometer has been reinitialized using MaxiThermal. Pressing START will not reactive the unit.

#### **UPLOADING DATA TO PC**

1. Insert Logger-Trac Mini to USB cradle (Cat. No. 6549)
2. Connect USB cradle to PC
3. Open MaxiThermal software (Cat. No. 6580)
4. See MaxiThermal instructions for uploading data to PC

#### **HOW TO REPLACE BATTERY**

On back the Data Logger, unscrew the four screws, remove the battery cover, remove the battery, and replace with a new CR2032 3V Lithium Coin Cell battery. Replace the panel, and screw the back panel onto the unit.

# **MINI- LOGGER-TRAC™ INSTRUCTIONS**