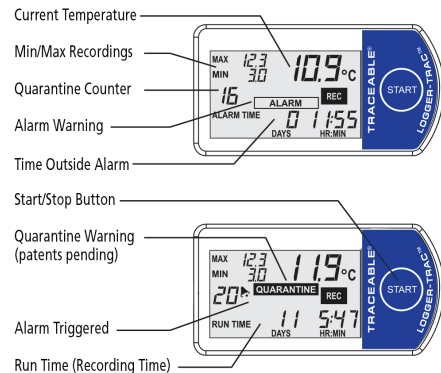## DESCRIPTION

Traceable® 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

Current Temperature
Min/Max Recordings
Quarantine Counter
Alarm Warning
Time Outside Alarm
Start/Stop Button
Quarantine Warning (patents pending)
Alarm Triggered
Run Time (Recording Time)

LCD DISPLAY

CURRENT TEMPERATURE – The current temperature reading.
MIN/MAX RECORDINGS – The minimum and maximum temperatures that have occurred since the device was initialized.
OVER ALARM COUNTER – Indicates the count of temperature logged readings which were outside the alarm temperature limits.
ALARM WARNING – Symbol which becomes active once a single reading is recorded outside the alarm temperature limits.
TIME OUTSIDE ALARM – Indicates the cumulative time the temperature has been outside the alarm temperature limits.
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.
QUARANTINE WARNING – When using the quarantine alarm feature, the symbol will become active once the quantity of temperatures logged outside the alarm limits reaches the quarantine programmed trigger value.

Quarantine function is disabled in factory settings.

QUARANTINE TRIGGER VALUE – The number of temperature recordings outside the alarm limits required to activate the Quarantine warning symbol.
ALARM TRIGGERED – Indicates the temperature is in an active alarm state.
RUN TIME (RECORDING TIME) – Indicates the amount of time passed since the thermometer logging was initialized/ started.

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
• Quarantine Warning: disabled

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 the LCD in the 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°.
• **Quarantine value** – The quarantine feature allows a user to program fixed values which designate how many temperature readings can be recorded outside the defined alarm limits before the "QUARANTINE" LCD symbol should become active.
• **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.

HOW TO REPLACE BATTERY

On back the Data Logger, turn the round plate counterclockwise, and replace with a new CR2016 3V Lithium Coin Cell battery. Turn the plate clockwise to lock.

Cat. No. 6540

TRACEABLE®
LOGGER-TRAC™
INSTRUCTIONS