Track-It™
Temperature Data Loggers

Description

The Track-It™ Temperature Data Logger is a battery powered stand alone compact data logger that records up to 64,000 samples of temperature data. The unit is easily configured using the included Track-It™ Software. Simply plug the logger into an open USB port on your PC and the software automatically identifies the logger. Set the unit up to start and stop recording at a predetermined time and date or only when an alarm condition is sensed. The sample storage rate can be set from 1 sample every 2 seconds up to 1 sample every 24 hours. The on board data storage is non-volatile so data will not be lost in the event of a depleted battery. The Track-It™ Temp Logger can be ordered with or without an LCD display.

Information displayed on the LCD is also user programmable and can be sequenced by pressing the logger button. Both models have a multicolored LED indicator to notify user of alarms or general activity. A splash proof protective cover protects the logger when in use.

Features

- Push button or program to start recording
- Up to 64,000 samples per record
- Alarm set points
- Small compact size
- Integral USB interface (no custom cable!)
- Interactive software (included!)
- N.I.S.T. calibration available

- One year battery life (battery included!)
- Optional five year battery life
- Wide temperature range –4 to 185F/85C
- High accuracy and repeatability
- Accurate internal clock (1 minute/year)
- Multiple user programmable displays
- MKT calculation included

Typical Uses

- Shipping
- Warehouse
- Food
- Museums
- Buildings
- Laboratories
- HVAC

- Refrigeration
- Pharmaceutical
- Agriculture
- Computer Rooms
- Communications Equipment
- HACCP
- Transportation/Cold Chain

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Specifications

General

Record:	**Sample Rates:** User configured 1 every 2 seconds to 1 every 24 hours **No. of Samples:** 32,000 or 64,000 (depends on setup)
Record Trigger:	Two independent triggers. Multiple trigger modes: Instantaneous, button control, on alarm, time and date (start and stop), day of week
Record Mode:	Fill to end of memory; cyclic, number of samples, time duration
Display:	4 digit LCD (Non display versions available with LED only) User programmable: Indication of data value, eng units, alarms, record mode, battery condition, time/date, memory
LED:	User programmable: Indication of alarms, recording, triggered
Button:	User programmable: View display, record on/off, reset alarms, reset timer
Alarms:	2 user programmable alarms. High or Low
Communication:	Direct USB connection
Software:	Track-It™ Software - Program device, view data(historic or real time), export to Excel™. Simple and advanced modes
Battery:	**Coin Cell Option:** Battery: Lithium CR2032 Life: 1 year @ 1 minute sample rate **Hi Energy Option:** Battery: EF651625 Life: 3 years @ 1 minute sample rate
Dimensions	3.66" (9.29cm)L x 0.75" (1.91cm)H x 1.16" (2.95cm)W

Measurement

Temperature Range:	-20 to +85°C /-4 to 185°F w/EF65162 battery -20 to +70°C /-4 to 158°F w/CR2032 battery
Accuracy:	±0.5°C 0 to 50°C / 32 to 122°F ±2°C −20 to 85°C / -4 to 185 F
Resolution:	0.06°C / 0.11°F
Clock Accuracy:	± 1 minute/year

Ordering Information

Model Number	Description	Part No.
Temp Track-It	Logger with display, standard battery	5396-0101
Temp Track-It LB	Logger with display, long life battery	5396-0102
Temp Track-It B	Logger, no display, standard battery	5396-0103
Temp Track-It BLB	Logger ,no display, long life battery	5396-0104
NIST Temp	Logger w/ NIST Calibration Certificate	5396-01xx-CAL

Track-It™ Transport App

Track-It™ Transport is a free Android Application that allows you to use your Android device to start and stop recording and transfer data using a USB On-the-Go cable. Available on Google Play:

https://play.google.com/store/apps/details?id=com.trackit.transporter

Track-It™ Software

Track-It™ Software is a powerful Windows based software package that is included with every Track-It™ Data Logger. It allows for easy setup, retrieval, interpretation and export of the recorded data. Simply connect your Track-It™ data logger to an open USB port and begin communicating immediately.

Point and click to select your sample interval, alarm set points, engineering units and recording triggers.

View a numerical data table or graphical representation of data readings relative to time. Use the graph cursor tools such as panel meter display, x-y value, period, or peak to peak. Zoom and stretch to examine and analyze the data and print a graphical report. From the data table view, see a summary containing min, max and average as well as Mean Kinetic Temperature. Export stored data to an Excel™ spreadsheet. Track-It™ Software also turns your PC into a real time data acquisition system by allowing you to stream graphical or tabular data directly to your PC.

Calculate MKT