Track-It™
DC Voltage and Current Data Loggers

Description

The Track-It™ DC Voltage and Current Data Loggers are two channel battery powered stand alone compact data loggers that record up to 32,000 samples each of DC Voltage or Current data. Units are available in 4 DC voltage ranges or for DC current. 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. Configure the unit 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 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™ DC Voltage and Current Loggers can also be used to record ambient temperature if one or neither input is being used. Information displayed on the LCD is also user programmable and can be sequenced by pressing the logger button. A multicolored LED indicator notifies the user of alarms, or general activity.

Features

- Push button or program to start recording
- Up to 64,000 samples per record
- 500mVDC, 1VDC, 5VDC, 10VDC, or 20mA
- +/- .5% accuracy
- Alarm set points
- Small compact size
- N.I.S.T. calibration available
- Integral USB interface (no custom cable!)
- Interactive software (included!)
- One year battery life (battery included!)
- Optional five year battery life
- High accuracy and repeatability
- Accurate internal clock (1 minute/year)
- Multiple user programmable displays

Typical Uses

- Industrial process
- Troubleshooting
- Productivity monitoring
- Remote indication

Ordering Information

Model	Description
Analog 500mV Track-It	Logger with display, 500 mV module and standard battery
Analog 1V Track-It	Logger with display, 1 Volt module and standard battery
Analog 5V Track-It	Logger with display, 5 Volt module and standard battery
Analog 10V Track-It	Logger with display, 10 Volt module and standard battery
Analog 20mA Track-It	Logger with display, 20 mA module and standard battery
Analog 500mV Track-It LB	Logger with display, 500 mV module and long life battery
Analog 1V Track-It LB	Logger with display, 1 Volt module and long life battery
Analog 5V Track-It LB	Logger with display, 5 Volt module and long life battery
Analog 10V Track-It LB	Logger with display, 10 Volt module and long life battery
Analog 20mA Track-It LB	Logger with display, 20 mA module and long life battery
NIST Analog	NIST calibration certificate

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CE

Made in USA

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 config)
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:	4.06" (10.32cm)L x 0.66" (1.67cm)H x 1.00" (2.54cm)W

Measurement

Temperature Range:	-20 to +85°C / 0 to 185°F
Accuracy:	±1°C 0 to 50°C / 32 to 122°F ±2°C −20 to 85°C / -4 to 185°F
Resolution:	0.1°C / 0.1°F
Clock Accuracy:	±1 minute/year

Available Analog Modules (for DC V/I)

Range:	0 to 500mV (no preconditioning)
Accuracy:	±0.5% of full scale
Resolution:	±0.1mV
Input Modules	500mV, 1V, 5V, 10V, 20mA

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, start recording triggers and LCD Displays.

View a numerical data table or graphical representation of data readings relative to time. Use the graph tools such as zoom, cursor, min and max to examine and analyze the record. Track-It™ Software turns your PC into a real time data acquisition system by allowing you to stream graphical or tabular data directly to your PC (capability varies by model). Use the one click export function to automatically export stored data into an Excel spreadsheet.

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