# 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 set up 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 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™ 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 three 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

| rdering Information      |   |             |
|--------------------------|---|-------------|
| Model                    | Description   | Part Number |
| Analog 500mV Track-It    | Logger with display, 500 mV module and standard battery   | 5396-0511   |
| Analog 1V Track-It       | Logger with display, 1 Volt module and standard battery   | 5396-0512   |
| Analog 5V Track-It       | Logger with display, 5 Volt module and standard battery   | 5396-0513   |
| Analog 10V Track-It      | Logger with display, 10 Volt module and standard battery  | 5396-0514   |
| Analog 20mA Track-It     | Logger with display, 20 mA module and standard battery    | 5396-0515   |
| Analog 500mV Track-It LB | Logger with display, 500 mV module and long life battery  | 5396-0521   |
| Analog 1V Track-It LB    | Logger with display, 1 Volt module and long life battery  | 5396-0522   |
| Analog 5V Track-It LB    | Logger with display, 5 Volt module and long life battery  | 5396-0523   |
| Analog 10V Track-It LB   | Logger with display, 10 Volt module and long life battery | 5396-0524   |
| Analog 20mA Track-It LB  | Logger with display, 20 mA module and long life battery   | 5396-0525   |
| NIST Analog              | NIST calibration certificate                              | 5396-05-CAL |





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## **Specifications**

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|   |   |   |   |    |    |

Record: Sample Rates: User configured 1 every 2 seconds up 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

**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 recorded data, 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 -20 to +85°C /-4 to 185°F w/EF65162 battery Range: -20 to +70°C /-4 to 158°F w/CR2032 battery

±1°C 0 to 50°C / 32 to 122°F Accuracy:

±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)

0 to 500mV (no preconditioning) Range:

Accuracy: ±0.5% of full scale

Resolution: ±0.1mV

Input 500mV, 1V, 5V, 10V, 20mA

Modules:









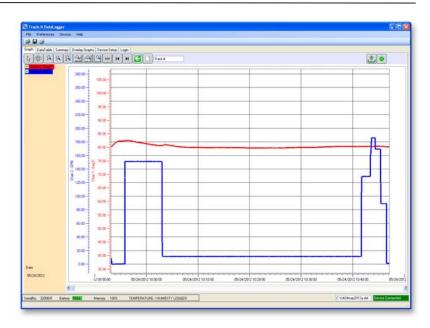
## Track-It™ Software

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, recording triggers and LCD Displays.

Monitor and record any voltage or current device. Scale directly to your engineering units such as flow, pressure, PH, vibration, temperature, gases, control outputs.

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. Export stored data into an Excel spreadsheet.





Phone: (603) 883-3390