

Track-It™

Pressure/Temp and Vacuum/Temp Data Loggers

Description

The *Track-It*™ Pressure/Temp and Vacuum/Temp Data Loggers are battery powered stand alone water tight compact data loggers that record up to 64,000 samples. They can be configured to record both pressure and temperature or vacuum and temperature or either parameter alone to maximize data storage space. The unit is easily configured using the free downloadable *Track-It*™ Software. Simply connect the included USB cable to the logger and an open USB port on your PC and the *Track-It*™ Software automatically identifies the logger. Configure the unit to start or stop recording immediately, 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*™ Pressure/Temperature Vacuum/Temperature Data Logger can be ordered in several pressure or vacuum ranges: 0-3, 0-35, 0-150, 0-350, 0-550, 0-2000, 0-5800, 0-8700 and 0-14500 PSI or 760-380 and 760-0 Torr. The logger is packaged in a rugged submersible 316L stainless steel housing and has a standard 1/4" NPT fitting (1/2" NPT for 8700 and 14,500 ranges). The replaceable battery has up to a 5 year life.

Features

- Programmable start/stop time
- Programmable sample rate
- Up to 64,000 samples per record
- Alarm set points
- Small compact size
- USB interface (cable included!)
- Interactive software (free download!)
- Rugged IP67 package
- Five year battery life (battery included!)
- Temperature range -4 to 185°F (-20-85°C)
- 3, 35, 150, 350, 550, 2000, 5800, 8700, 14500 PSI ranges
- 760-380, 760-0 Torr ranges
- 150% over range protection
- 1/4" NPT male connection (1/2" NPT for 8700 and 14,500 ranges)
- High accuracy and repeatability
- Accurate internal clock (1 minute/year)
- N.I.S.T. calibration available

Typical Uses

- Industrial Process
- Food Manufacturing
- Water Supply Line
- Hydrant Water Pressure
- Household Water Pressure
- Vacuum Furnaces
- Refrigeration and Air Conditioning
- HVAC
- Oil and Gas
- Petro Chemical
- Compressors
- Pumps
- Hydrostatic Testing
- Water and Wastewater

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Pressure/Temp & Vacuum/Temp Data Loggers

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 or cyclic, number of samples and time duration
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™.
Battery:	Lithium 1/2AA 1.2Ah Life: Up to 5 years typical @ 1 minute sample rate
Enclosure:	Material: 316L Stainless Steel Dimensions: 5cm (dia.) x 5.6cm / 1.95" diameter x 2.19" (Excl. port thread)

Measurement

Pressure Ranges:	0-3, 0-35, 0-150, 0-350, 0-550, 0-2000, 0-5800, 0-8700, 0-14500psi
Vacuum Ranges:	760 to 380, 760 to 0 torr
Accuracy:	± 0.25%
Overpressure Rating:	1.5 times max
Port connection:	1/4" NPT Male 1/2" NPT Male (8700 and 14,500)
Temperature Range:	-20 to +85°C / -4 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

Ordering Information

Track-It™ Pressure/Temp and Vacuum/Temp Loggers with display are available in the following ranges:

Range:	P/N: PSIA	P/N: PSIG
0-3 PSI		5396-0310
0-35 PSI	5396-0304	5396-0354
0-150 PSI	5396-0301	5396-0351
0-350 PSI	5396-0302	5396-0352
0-550 PSI	5396-0303	5396-0353

Range:	P/N: PSIA	P/N: PSIG
0-2000 PSI	5396-0305	5396-0355*
0-5800 PSI	5396-0306	5396-0356*
0-8700 PSI		5396-0357*
0-14500 PSI		5396-0358*

*Sealed gauge sensors

Range:	P/N:
760-380 torr	5396-0307
760-0 torr	5396-0308

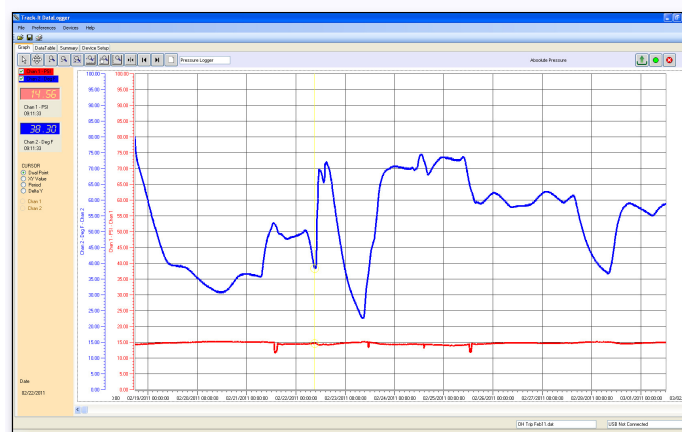
NIST Calibration (available on all models):
Logger w/ NIST Traceable Cal Cert P/N: 5396-030x-CAL

Track-It™ Software

Track-It™ Software is a powerful Windows based software package that 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. Choose Absolute or Gauge readings, as well as your pressure scale from a list that includes kPA, MPA, Bar, millibar, mmHG, inHg, Atm, PSI, pascal, inH2O and torr. Record the average, instantaneous, maximum, or minimum pressure during your sample interval.

Point and click to select your sample interval, alarm set points, engineering units, recording triggers. 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. Export stored data into a spreadsheet in its entirety or partially using filters. Available for free download:

http://monarchinstrument.com/Software/Track-It_Software.zip



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>

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