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 included 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 Data Logger can be ordered in several pressure or vacuum ranges: 0-35, 0-150, 0-350, 0-550, 0-2000 and 0-5800 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. The replaceable internal lithium 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 (included!)**
- **Rugged IP67 package**
- **Five year battery life (battery included!)**

- **Temperature range –4 to 185°F (-20-85°C)**
- **35, 150, 350, 550, 2000, 5800 PSI ranges**
- **760-380, 760-0 Torr ranges**
- **150% over range protection**
- **¼" NPT male connection**
- **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**

MONARCH INSTRUMENT

CE

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:	0-35, 0-150, 0-350, 0-550, 0-2000, 0-5800 psi
Accuracy:	± 0.5%
Resolution:	0.01%
Overpressure Rating:	1.5 times max
Port connection:	1/4" NPT Male
Temperature Range:	-20 to +85°C / -4 to 185°F
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

Ordering Information

Item	Description	Part No.
Pressure Track-It 35	35 PSI Pressure/Temp	5396-0304
Pressure Track-It 150	150 PSI Pressure/Temp	5396-0301
Pressure Track-It 350	350 PSI Pressure/Temp	5396-0302
Pressure Track-It 550	550 PSI Pressure/Temp	5396-0303
Pressure Track-It 2000	2000 PSI Pressure/Temp	5396-0305
Pressure Track-It 5800	5800 PSI Pressure/Temp	5396-0306
Vacuum Track-It 380	760-380 Torr Vacuum/Temp	5396-0307
Vacuum Track-It 760	760-0 Torr Vacuum/Temp	5396-0308
NIST Pressure/Temp	Logger w/ NIST Traceable Cal Cert	5396-03xx-CAL

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.

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.

Track-It™ Software

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: