

Track-It™ Pressure/Temp and Vacuum/Temp Data Loggers with Display

Description

The *Track-It™* Pressure/Temperature and Vacuum/Temperature Data Loggers with Display are battery-powered, standalone, watertight compact data loggers that record up to 130,000 samples. They can be configured to record both pressure or vacuum and temperature or either parameter alone to maximize data storage space. Real-time data, alarms and min/max information can be displayed on the multiline LCD. 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 10 samples every second 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. *Track-It™* Pressure/Temp and Vacuum/Temp



Data Loggers can be ordered in various ranges (see back for details). The logger is packaged in a rugged submersible anodized aluminum and stainless steel housing and has a standard 1/4" NPT fitting (1/2" NPT for 8700 and 14500 ranges). The replaceable internal lithium battery has up to a 3-year life.

Features

- Display live and min/max readings
- Record up to 10 samples/second
- Alarm setpoints and indicators
- User-definable engineering units
- USB interface (cable included)
- Interactive software (free download)
- Rugged IP67 package
- 1/4" NPT male connection (1/2" NPT male for 8700 and 14,500 ranges)
- 3-year battery life (battery included)
- Temp range -4 to 185 °F (-20 to 85 °C)
- 3, 35, 150, 350, 550, 2000, 5800, 8700 and 14,500 PSI ranges
- 0 to -380, 0 to -760, 760 to 0, 760 to -760 Torr
- 150% over range protection
- ASME Grade 3A Accuracy
- Accurate internal clock (1 minute/year)
- NIST Calibration available
- Rotate head AND display 359 degrees

Typical Uses

- Industrial Process
- Food Manufacturing
- Water Supply Line
- Hydrant Water Pressure
- Household Water Pressure
- Building Supply
- Municipalities
- HVAC
- Oil and Gas
- Petro Chemical
- Compressors
- Pumps
- Hydrostatic Testing
- Water and Wastewater

Track-It™ Pressure/Temp and Vacuum/Temp Data Loggers with Display

Specifications

General

Record:	Sample Rates: User configured 10 samples per sec. to 1 every 24 hours No. of Samples: 130,000 (depends on setup)
Display:	Two line, 6 digit 7-segment LCD and 5 digit alpha numeric display with custom icons, multi-segment bar graph for 0-100% indication, backlight
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:	Mini USB connection
Software:	Track-It™ Software —Program device, view data (historic or real time), export to spread sheet
Battery:	Lithium 1/2AA 1.2Ah Life: Up to 3 years typical @ 1 minute sample rate
Enclosure:	Material: Anodized aluminum and 316L stainless steel Dimensions: 2.94" dia. x 1.82" deep x 4.78" tall (including port threads)

Measurement

Pressure Ranges:	0-3, 0-35, 0-150, 0-350, 0-550, 0-2000, 0-5800, 0-8700, 0-14,500 psi
Vacuum Ranges:	0 to 380, 0 to -760, 760 to 0, 760 to -760 torr
Accuracy:	± 0.25%
Overpressure Rating:	1.5 times max
Port connection:	1/4" NPT Male 1/2" NPT Male for 8700 and 14500 ranges
Temperature Range:	-20 to +85 °C / -4 to 185 °F
Accuracy:	±1 °C 0 to 50°C / 32 °F to 122 °F ±2 °C -20 to 85°C / -4 °F to 185 °F
Resolution:	0.1°C / 0.2°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	Range:	P/N: PSIA	P/N: PSIG	Range:	P/N:
0-3 PSI		5396-0380	0-5800 PSI	5396-0336	5396-0376*	0 to-380 torr	5396-0337
0-35 PSI	5396-0334	5396-0374	0-8700 PSI		5396-0377*	0 to -760 torr	5396-0338
0-150 PSI	5396-0331	5396-0371	0-14500 PSI		5396-0378*	760 to 0 torr	5396-0340*
0-350 PSI	5396-0332	5396-0372				760 to -760 torr	5396-0341
0-550 PSI	5396-0333	5396-0373					
0-2000 PSI	5396-0335	5396-0375*					

*Sealed gauge sensors
Logger w/ NIST Cal Cert P/N: 5396-03xx-CAL

Track-It™ Software

Track-It™ Software is a powerful Windows based software package that allows for easy setup, retrieval, interpretation and export of 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 setpoints, 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™ 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:

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