

Track-It™ Pressure Transmitter/Data Logger with Digital Display

Description

The *Track-It™* Pressure Transmitter/Data Loggers with Digital Display are 24VDC powered 4 wire transmitters that can also record up to 130,000 samples for logging, redundant data backup or archive. They can be configured to record both pressure or vacuum and ambient temperature or just pressure or vacuum alone to maximize data storage space. Real time data, alarms and min/max information can be displayed on the multi-line 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. Default configuration of the unit is 4mA = 0 and 20mA = full scale. Custom scaling over a smaller range can be accommodated using *Track-It™* Software. The data logging 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 power loss. *Track-It™* Pressure Transmitter/Data Loggers can be ordered in various ranges (see back for details). The logger is packaged in a rugged anodized aluminum and stainless steel housing and has a standard 1/4" NPT fitting.

Features

- Isolated 4-20MA output prevents troublesome ground loops
- Display live and min/max readings
- Alarm set-points and indicators
- User definable engineering units
- USB interface (cable included!)
- Interactive software (free download!)
- Rugged IP65 package
- Temp range -4 to 185°F (-20 to 85°C)
- 35, 150, 350, 550, 2000, 5800 PSI ranges
- 760 to 380, 760 to 0 Torr
- 150% over range protection
- 1/4" NPT male connection
- ASME Grade 3A Accuracy
- Accurate internal clock (1 minute/year)
- N.I.S.T. calibration available
- Swivel head 300° and rotate display 180°

Typical Uses

- Industrial Process
- Food Manufacturing
- Water Supply
- Building Supply
- HVAC
- Oil and Gas
- Petro Chemical
- Compressor Control
- Pumps
- Hydrostatic Testing
- Water and Wastewater
- SCADA Systems
- Production Lines
- Hydraulics

Track-It™ Pressure Transmitter/Data Logger with Digital Display

Specifications

General

Record:	Sample Rates: User configured 1 every 2 seconds to 1 every 24 hours No. of Samples: 130,000
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.
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:	0-35, 0-150, 0-350, 0-550, 0-2000, 0-5800 psi
Vacuum Ranges:	760 to 380, 760 to 0 Torr
Accuracy:	± 0.25%
Overpressure Rating:	1.5 times max
Port connection:	1/4" NPT Male
Temperature Range:	-20 to +85°C / -4 to 185°F

Transmitter

Output:	Isolated 4-20 mA +/- 0.06% FS
Resolution:	6 uA
Transmitter Input Power:	24VDC +/- 10%
Isolation:	500V to 24VDC Power Supply
Update Rate:	125 msec

Ordering Information

Track-It™ Pressure Transmitter/Data Loggers with Digital Display are available in the following ranges:

Range:	P/N: PSIA	P/N: PSIG	Range:	P/N:
0-35 PSI	5396-1334	5396-1374	760-380 torr	5396-1337
0-150 PSI	5396-1331	5396-1371	760-0 torr	5396-1338
0-350 PSI	5396-1332	5396-1372		
0-550 PSI	5396-1333	5396-1373		
0-2000 PSI	5396-1335	5396-1375*		
0-5800 PSI	5396-1336	5396-1376*		

NIST Calibration (available on all models):
Logger w/ NIST Traceable Cal Cert P/N: 5396-13xx-CAL
*Sealed gauge sensors



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 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>

Track-It™ Software