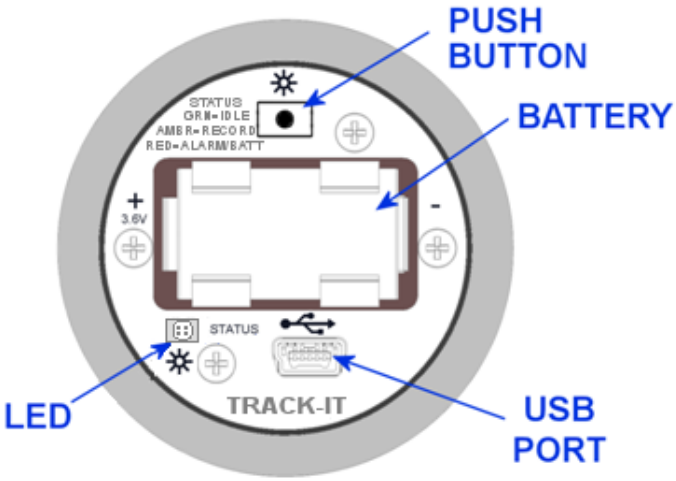
Track-It ™ Pressure Temperature Logger

The Pressure Temperature Logger is a sealed (IP67) Data Logger used for measuring air or liquid pressure and ambient temperature. The unit is self contained in a small 316L stainless steel enclosure with a threaded ¼" NPT port to connect to a pressure source. The Logger can operate unattended for months or years. Recording parameters can be set in the Track-It ™ PC Software. The unit can be set to record on instantly, at preset times, or on alarm conditions. Up to 64,000 readings can be saved in non-volatile memory at intervals from 2 seconds to 24 hours. Internally there is a USB port for direct connection to a laptop or PC, a button and LED for user interaction as described below.

To access the internals of the unit it is necessary to unscrew the lid (counterclockwise). This exposes the control panel shown below. The function of the parts is as follows:

Push Button/LED functionality: The push button can be used to check status or to change the state of the data logger. For instance, it can be used to start and stop recording if desired. This feature can also be disabled to ensure the data logger state remains unchanged until connected to a PC.



TO CHECK STATUS

<u>Short press and release:</u> LED will flash in various patterns to indicate data logger status:

The flash sequence is: Battery status > Record status > Alarm status

One long red flash at the beginning of the flash sequence indicates low battery. (no red flash = battery ok)
One long red flash at the end of the flash sequence indicates an alarm. (no red flash = no alarm)
Slow red/green blink: Connect to PC. Unit is NOT set up or memory is full.

TO CHANGE STATE

Press and hold button, release when LED turns steady green: Changes record state on/off
Press and hold button, release when LED turns steady red: Reset alarm indication
Press and hold button, release after LED goes off: No change

The table below summarizes the push-button / LED functionality.

STATUS—Press & Release Button			STATUS
Lo Batt.	>>>> Record >>>>>	Alarm	LED Sequence
			Low battery - one RED blink (No red if battery OK)
			Recording or triggered to record - *fast* GREEN/RED blink
			Idle/Not recording - one long GREEN blink
			Alarm occurred - one long RED blink (No red if no alarm)
			Not set up or memory full - *slow* RED/GREEN blink, connect to PC

CHANGE STATE—Press & Hold Button		RESULT OF BUTTON RELEASE
		LED pattern
Release		Release button while LED GREEN - Turn record mode on/off*
	Release	Release button while LED RED - Reset alarm indication*
Release after LED's go off		Release button when LED goes off - No change

*NOTE: Feature must be enabled in software

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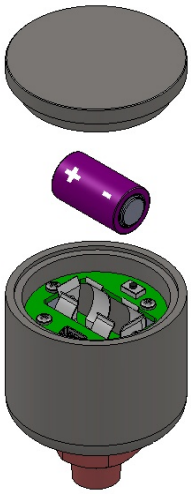
Serial Communication: The logger has a mini USB port. Plug the cable into this port and the other end into the USB port on your PC/Laptop. The provided software needs to be installed in order to work with the logger.

Battery: Replace the battery as needed with type: ER14250 3.6V Lithium - Tadiran TL-5902 or similar. Remove threaded cap and insert battery as seen in diagram below:



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