

The LTT Dual Temperature Data Logger measures two (2) independent external temperatures and temperature differential.

- Temperature Range -50°F to 300°F (-46°C to 150°C)
- 1 second to 18 hour sample rate
- Over/Under Alarm threshold settings

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- Visual alarm indication
- PC Software operates with all LOGiT loggers (p/n LLS Not Included)
- Tamper proof
- 1 year warranty

Supco

LTT

LOGiT

Dual Temperature Data Logger

- Two (2) External Temperature Measurements
- Temperature Differential

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LTT Overview

The LTT is a precision instrument for recording the temperature of two independent temperature probes. Each temperature sensor is enclosed within a 4 inch stainless steel jacket. The LTT temperature probes are interchangeable, and replacement probes are available. Each temperature sensor cable is 6ft long. The LTT can store 21,500 temperature samples when using a single probe. The LTT can store 10,750 temperature samples when using both probes. The temperature difference between probe 1 and probe 2 is also recorded.

The probe's stainless steel tip can be immersed in any solid or liquid that is compatible with 300 series stainless steel.

Compatible substances include, but not limited to: Water, steam, oil, Freon, hydraulic fluid, natural gas, propane.

Incompatible substances include, but not limited to: Acids such as nitric acid, sulfuric acid and hydrochloric acid. Any materials that are corrosive to steel.

Note that only the probe steel tip is media compatible. The probe cable is not water proof.

Program Your LOGit

Programming is achieved using the LLS LOGit to PC Software and Interface. (Not Included)

LTT Specifications

Sample Point Capacity	21500 temperature points for a single probe. 10750 temperature points and temperature difference, when using both probes.
Alarms	Over and under alarms for each external temperature probe. Alarms are not available for temperature difference.
Calibration	User single point offset calibration is available through software for both temperature sensors.
Logger Operating Temperature Range	32°F to 140°F (0°C to 60°C) using Alkaline Battery. -40°F to 150°F (-40°C to 65°C) using Lithium Battery.
Time Accuracy	+/-100ppm @75°F
Relative Humidity Range	0% to 95%RH non condensing
Probe Specification	Media compatible 4 inch stainless steel tip. 6ft cable. The probes are interchangeable.
Probe Temperature Range	-50°F to 300°F (-46°C to 150°C)
Temperature Accuracy	+/-2°F (1°C)
Temperature Resolution	0.1°F (0.05°C)
Dimensions	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm)
Weight	2.5 Oz (71g)
Power Source	9V Alkaline or Lithium battery.
Battery Life (average use)	20 Months using Alkaline Battery. 40 Months using Lithium Battery.

LOGit Series Specifications

Sampling Interval	User selectable from 1 second to 18 hours, in 1 second increments.
Interface	COM (RS232) serial port. Software supports COM1 through COM8. Optional USB interface.
Alarms	Visual alarms with user selectable low and high thresholds for every channel.
Alarm Memory	Up to 50 alarm events. Alarm start time and alarm duration is stored.
Data Security	Locking sliding door prevents physical access to the logger data. Unique factory set logger id. Data collection session counter.
Compatibility Minimum System Requirements	Windows 95 and above. 8MB of RAM, 2M of disk space, 800 x 600 resolution, 1 free COM port or a free USB port (optional USB interface is required).
Recording Start	On door close, immediate after setup, or at a user specified data and time.
Recording Mode	Stop on memory full, or continuous recording with memory rollover.
Real Time Status	Visual indication through the status LED. User selectable status display frequency and LED brightness. Software real time status.
User Calibration	Password protected calibration for each channel.
User Message Logger Channels	Up to 30 characters. User selectable. Disabling channels increases the storage capacity of the other channels
Units Data Format	US and Metric. User selectable units. Custom format exportable to text or Excel spreadsheet.
Real Time Monitoring	Logger can be permanently connected to the computer and used as a real time, multichannel sensor with logging capability. Battery does not drain when logger is connected to the computer.