

**The LTH Temperature & Humidity Data
Logger measures Temperature Humidity
and Dew Point, Simultaneously.**

For Temperature and Humidity Sensitive Applications:

- Refrigerators/ Freezers
- Commercial Refrigeration Systems
- Medical Storage Facilities
- Laboratories
- Greenhouses
- Florists
- Museums

SPECIFICATIONS

Sample Point Capacity:	21,500 for Temperature only 10,750 points for Temperature, Humidity and Dew Point
Sample Rate:	1 second to 18 hour
Alarms:	Over and under alarms for temperature & humidity. Visual Alarm Indication
Temperature Range:	32°F to 140°F (0°C to 60°C) w/ Alkaline Battery -40°F to 150°F (-40°C to 65°C) w/Lithium Battery
Temperature Accuracy:	+/-2°F (1°C)
Temperature Resolution:	0.1°F (0.05°C)
Time Accuracy:	+/-100ppm @75°F
Relative Humidity Range:	0% to 99.9%RH, Non-condensing.
Relative Humidity Accuracy:	+/- 2% full scale, from 0% to 95% RH for temperatures between 32°F and 140°F (0°C to 60°C)
Relative Humidity Resolution:	0.1%RH Humidity is factory calibrated.
Operating Range:	
Temperature:	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.
Humidity:	0% to 99.9%, Non-condensing
Storage Temperature:	-40°F to 170°F (-40°C to 77°C)
Calibration:	Single point offset calibration available through software.
Tamper Proof	
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
1 year warranty	

PC Software operates with all LOGiT loggers (p/n LLS Not Included)

SEALED UNIT PARTS CO., INC.
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Supco

LTH

LOGiT

**Temperature & Humidity
Data Logger**

- One (1) Temperature Measurement
- One (1) Humidity Measurement
- One (1) Dew Point Measurement

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LTH Overview

The LTH is a self-contained, precision instrument for recording the temperature, humidity and dew point of the surrounding environment. The LTH can store up to 21500 temperature samples, OR up to 10,750 samples of temperature, humidity and dew point .

Caution!!!

Care must be taken to ensure that the logger is not operating in condensing conditions. This means that the dew point temperature must be below the ambient temperature. Condensation may damage the humidity sensor and the logger electronics.

Installation

Place the logger in the area to be monitored, after programming. Programming is achieved using the LLS LOGiT to PC Software and Interface. (Not Included)

LTH Specifications

Sample Point Capacity	21,500 points for temperature only. 10,750 points of temperature, humidity and dew point.
Alarms	Over and under alarms for temperature and humidity. Dew point alarms are not available. Humidity alarms are accurate to +/- 5%.
Calibration	Humidity is factory calibrated. User single point offset calibration is available through software for both temperature and humidity.
Operating Temperature	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.
Storage Temperature	-40°F to 170°F (-40°C to 77°C)
Time Accuracy	+/-100ppm @75°F
Relative Humidity Range	0% to 99.9%RH, non condensing.
Relative Humidity Accuracy	+/- 2% full scale, from 0% to 95% RH for temperatures between 32°F and 140°F (0°C to 60°C)
Relative Humidity Resolution	0.1%RH
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.

*Note that humidity sensor accuracy is only guaranteed for temperature range of 32°F 140°F (0°C 60°C).

LOGiT Common 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.