



# LOGiT Series

## Data Loggers

Premier Data Loggers; designed with the latest technology to accommodate technological advances for years to come. They are economic, compact and easy to use.

Select the right LOGiT Data Logger for your application along with the Windows compatible LOGiT PC Software and Interface Cable (LLS). Then...

**Choose a sample rate, make desired connections and LOGiT!**



### Features/Benefits

- Store over 10,000 measurement points
- 1 second to 18 hour sample rate; 1 second increments
- Custom user identification (30 characters)
- Real Time data monitoring
- Over/Under Alarm threshold settings
- Visual alarm indication
- User selectable Recording Start (Specified date & time, immediate after setup or on door close)
- Tamper proof
- 20 month battery life (at 1 minute sample rate)
- Data rollover option
- Unique logger ID
- One PC Software operates with all loggers (LLS)
- Graphic or text data
- Zoom capability
- USB interface optional (USBS)
- 1 year warranty

### \*Note:

All LOGiT's need LLS Software package to program data logger and download data for analysis

### For Temperature and Temperature/ Humidity Sensitive Applications:

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

Select the right Logger for your application...

#### LT2 Temperature Logger (Internal & External)

- One Internal and One External Temperature Measurement, Simultaneously



#### LTT Dual Temperature Logger

- 2 Independent External Temperature Measurements & Temperature Differential



New!

#### LTC Thermocouple Temperature Logger

- One internal and one external (K-type Thermocouple) temperature measurement



#### LTH Temperature/Humidity Logger

- Integral Temperature, Humidity, Dew Point and Wet Bulb Measurements

### For Pressure and Temperature Sensitive Applications:

- Compressor Run Cycles
- Testing New Installations
- Pneumatic air lines
- Tracking Intermittent Problems
- Superheat Measurements

#### LPT Pressure and Temperature Logger

- External Pressure and Temperature Measurements
- 1/4" MPT Pressure Sensor Connection



### For Simultaneous Single Phase Current and Voltage Monitoring:

- Compressor and Fan Run Cycles
- Troubleshooting Intermittent problems
- Verification of Power Conditions
- Use three LCV's for Three Phase Applications



#### LCV Current and Voltage Logger

- External Current Probe and Voltage Measurements

### For Monitoring 4 – 20 ma Process control loops in:

- Manufacturing
- Package Handling
- Automated Test Systems

#### L420 4 – 20 ma Logger

- Connection for 4 – 20 ma loop measurements



See Specifications Inside!



## LLS LOGiT PC Software and Interface\*

- PC Software on CD ROM
- LINT Interface
- Cable for LOGiTs to Serial Port (CABLE6)
- LLS must be ordered separately!
- For computers with USB Ports only.  
Order part no. USBS along with the LLS.



### Data Logger Specifications

	LT2	LTH	LTC
Sample Point Capacity	21,500 points (Single channel) 10,750 points and differential (Dual channel)	21,500 for temperature only 10,750 points for Temperature, Humidity and Dew Point	10,750 points for external and internal temperature
Sampling Rate	1 second to 18 hours	1 second to 18 hours	1 second to 18 hours
Alarms	Over and under alarms for each probe.	Over and under alarms for temperature & humidity.	Over and under alarms for each probe
Temperature Range (Internal Sensor)	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	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	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 Range (External Sensor)	-40°F to 150°F  (-40°C to 65°C)		Depends on thermocouple (J, K, E, T, R, S)
Accuracy	±1.0°F (0.5°C)	±2°F (1°C)	Depends on thermocouple
Resolution	0.1°F (0.05°C)	0.1°F (0.05°C)	0.1°F (0.05°C)
Time Accuracy	±100ppm @75°F	±100ppm @75°F	±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	
Pressure Range			
Pressure Accuracy			
Pressure Resolution			
Pressure Connection			
Input Current Range			
Current Accuracy			
Current Resolution			
Voltage Range			
Voltage Accuracy			
Voltage Resolution			
Temperature using Alkaline Battery	32°F to 140°F (0°C to 60°C)	32°F to 140°F (0°C to 60°C)	32°F to 140°F (0°C to 60°C)
Temperature using Lithium Battery	-40°F to 150°F (-40°C to 65°C)	-40°F to 150°F (-40°C to 65°C)	-40°F to 150°F (-40°C to 65°C)
Operating Range Humidity	0% to 95% RH, Non-condensing	0% to 99.9% RH, Non-condensing	
Storage Temperature	-40°F to 170°F (-40°C to 77°C)	-40°F to 170°F (-40°C to 77°C)	-40°F to 170°F (-40°C to 77°C)
Calibration	Single point offset calibration available through software.	Single point offset calibration available through software. Humidity is factory calibrated.	Single point offset calibration available through software.
Dimensions	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm)	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm)	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm)
Weight	2.5 Oz (71g)	2.5 Oz (71g)	2.5 Oz (71g)
Power Source	9V Alkaline or Lithium battery (not included)	9V Alkaline or Lithium battery (not included)	9V Alkaline or Lithium battery (not included)
Battery Life (average use)	18 Months using Alkaline Battery 36 Months using Lithium Battery	20 Months using Alkaline Battery 40 Months using Lithium Battery	20 Months using Alkaline Battery 40 Months using Lithium Battery

## Benefits/Specifications

- Compatible with Windows 95 and above
- Graphic and Text Data
- 3 Memory modes: Stop on full, record continuously, or memory rollover
- Real time monitoring
- Password protected calibration of each channel
- Data exportable to Text or Excel
- Minimum System Requirements: 8MB RAM, 2MB Disk Space, 800 x 600 Resolution, COM port or USB port (Optional USB Interface required)

**\*NOTE:**

Every Data Logger requires software to be programmed and to download data.

**SUPCO Data Loggers**  
All LOGi's require LLS Software

LTT	LPT	LCV	L420
21,500 temperature points (1 probe) 10,750 temperature points and differential (2 probes) 1 second to 18 hours Over and under alarms for each probe.	10,750 points for Pressure & Temperature 21,500 points for Pressure OR Temperature 1 second to 18 hours Over and under alarms for Pressure & Temperature	10,750 points for Current & Voltage 21,500 points for Current OR Voltage 1 second to 18 hours Over and under alarms for current and voltage	21,500 points 1 second to 18 hours Over and under alarm
-50°F to 300°F (-46°C to 150°C)	-40°F to 150°F (-40°C to 65°C)		
±2°F (1°C) 0.1°F (0.05°C) ±100ppm @75°F 0% to 95% RH, non-condensing	±1°F (0.5°C) 0.1°F (0.05°C) ±100ppm @75°F	±100ppm @75°F	±100ppm @75°F
	0 – 500 psi ±3 psi 0.15 psi 1/4" MPT Pressure Sensor Connection		
		0-300 Amps ±5% 0.1 Amp AC 0 – 500 Volts AC ±1 V AC 0.1 V AC	0 – 40 ma ±0.05 ma 0.01 ma
Operating Range 32°F to 140°F (0°C to 60°C) -40°F to 150°F (-40°C to 65°C)	32°F to 130°F (0°C to 54°C) -40°F to 150°F (-40°C to 65°C) 0% to 95% RH, Non-condensing	32°F to 130°F (0°C to 54°C) -40°F to 150°F (-40°C to 65°C) 0% to 95% RH, Non-condensing	32°F to 140°F (0°C to 60°C) -40°F to 150°F (-40°C to 65°C) 0% to 95%, Non-condensing
-40°F to 170°F (-40°C to 77°C) Single point offset calibration available through software.	-40°F to 170°F (-40°C to 77°C) Single point offset calibration available through software. Pressure is factory calibrated.	-40°F to 170°F (-40°C to 77°C) Single point offset calibration available through software. Current and Voltage are factory calibrated.	-40°F to 170°F (-40°C to 77°C) Single point offset calibration available through software.
3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm) 2.5 Oz (71g) 9V Alkaline or Lithium battery (not included)	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm) 2.5 Oz (71g) 9V Alkaline or Lithium battery (not included)	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm) 2.5 Oz (71g) 9V Alkaline or Lithium battery (not included)	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm) 2.5 Oz (71g) 9V Alkaline or Lithium battery (not included)
20 Months using Alkaline Battery 40 Months using Lithium Battery	19 Months using Alkaline Battery 38 Months using Lithium Battery	20 Months using Alkaline Battery 40 Months using Lithium Battery	20 Months using Alkaline Battery 40 Months using Lithium Battery



## Palm™ to LOGiT Interface Kit\*

Store data from multiple LOGiT data loggers to your Palm™ and download it to your PC when it's convenient for you. You can also view the data for instant analysis and program your logger easily.



### Kit Includes:

- PC & Hotsync Software on CD ROM
- PLINT Interface and cables

### Features

- Download data from multiple LOGiT loggers to your Palm™.
- Store approximately 30 logger files per 1MByte of free handheld memory.
- View the LOGiT data on your handheld (text format).
- Check the LOGiT logger status.
- Setup the LOGiT logger for a new logging session.
- End the currently active logging session.
- Import logger data stored in your Palm™ to your PC.
- Export logger data stored on your PC to your Palm™.

### Minimum System Requirements:

- Palm™ OS Version 3.3 and above, running on one of the Palm™ units in the Compatible Devices table below, with at least 128KBytes free memory.
- Palm™ Desktop Software Version 3.0.1 and above, running on Windows 95 or above (Can be downloaded from [www.palm.com](http://www.palm.com)).
- LOGiT PC Interface Software Version 2.00 or above (included in this kit)



### Model Supported Handheld Devices (not included)

LPI3	Palm™ III / IIIe / IIIx / IIIxe / IIIc, Palm™ VII / VIIx, IBM Workpad
LPI5	Palm™ V / Vx, IBM Workpad C3
LPIM100	Palm™ m100 / m105
LPIM500	Palm™ m125 / m130, Palm™ m500 / m505 / m515, Palm™ i705, Palm™ TUNGSTEN T2/T3/W/C (Not compatible with TUNGSTEN E, Palm™ Zire 71 (not compatible with the original Palm™ Zire or the Zire 21), IBM Workpad C500/C505

Note: Not compatible with Handspring and Sony CLIE models

For latest compatibility information, check our website at [www.supco.com/palm.htm](http://www.supco.com/palm.htm)



\* This kit does not include a Palm™ PDA.

### Data Logger Accessories

Standard Accessories	LT2	LTH	LTC	LTT	LPT	LCV	L420
14265 15' Remote Temperature Sensor	*					*	
DLTP6 4" Stainless Steel Temperature Sensor				(2)			
TPFDA K-type Thermocouple with 4' FDA Approved Insulation			*				
12261 Pressure Sensor					*		
12867 300 A Current Probe†						*	
13495 Cable							
12782 Battery							
<b>Optional Accessories</b>							
LITH9B Lithium Battery	*	*		*	*	*	*
USBS USB to Serial Interface	*	*		*	*	*	*
LLS LOGIT PC Software & Interface	*	*	*	*	*	*	*
LPI3 Palm to LOGiT Interface	*	*	*	*	*	*	*
LPI5 Palm to LOGiT Interface	*	*	*	*	*	*	*
LPIM100 Palm to LOGiT Interface	*	*	*	*	*	*	*
LPIM500 Palm to LOGiT Interface	*	*	*	*	*	*	*
SW25 25' Temperature Probe Extension Wire	*				*		
SW50 50' Temperature Probe Extension Wire	*				*		
SW75 75' Temperature Probe Extension Wire	*				*		
SW100 100' Temperature Probe Extension Wire	*				*		

†Current probe must be factory calibrated with LCV logger.

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