

The L420 4-20 ma Data Logger
measures one (1) 4-20 ma loop.

- 1 second to 18 hour sample rate
- Visual alarm indication

- Current Input Range 0 - 40 ma
- Over/Under Alarm threshold settings

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

- Tamper proof
- 1 year warranty



Supco

L420

LOGiT

4-20 ma Data Logger

- One (1) 4-20 ma Loop

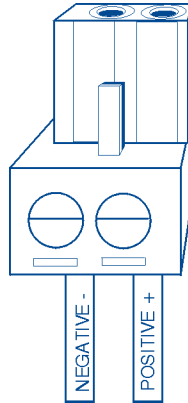
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L420 Overview

The L420 data logger is a precision instrument for recording the current in a 4 - 20 ma loop. The logger can store up to 21,500 data points.

Connecting the Logger to the 4 - 20 ma Loop.

To connect the 4 - 20 ma loop to the logger, use the connector provided. Make sure to connect the positive and negative terminals correctly as shown in the figure.



Program Your LOGiT

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

L420 Specification

Sample Point Capacity	21,500 points.
Alarms	Over and under alarm.
Calibration	Factory calibrated. User single point offset calibration is available through software.
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.
Time Accuracy	+/-100ppm @75°F
Relative Humidity Range	0% to 95%RH non condensing
Input Current Range	0ma - 40ma
Current Resolution	0.01ma
Current Accuracy	+/- 0.05 ma
Dimensions	3" x 2.5" x 1.1" (7.6cm x 6.4cm x 2.8cm)
Weight	2.5 Oz (85g)
Power Source	9V Alkaline or Lithium battery.
Battery Life (average use)	20 Months using Alkaline Battery. 40 Months using Lithium Battery.

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	Up to 30 characters.
Logger Channels	User selectable. Disabling channels increases the storage capacity of the other channels
Units	US and Metric. User selectable units.
Data Format	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.