

The LPT Pressure & Temperature Data Logger measures external Pressure and Temperature, simultaneously.

- 1 second to 18 hour sample rate
- Over/Under Alarm threshold settings

- Pressure Range: 0 to 500 psi
- Temperature Range -40°F to 150°F (-40°C to 65°C)

SEALED UNIT PARTS CO., INC.
PO BOX 21, 2230 LANDMARK PLACE
ALLENWOOD, NJ 08720 USA
www.supco.com • info@supco.com



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

Supco

LPT

LOGiT

Pressure & Temperature Data Logger

- One (1) Pressure Measurement
- One (1) Temperature Measurement

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LPT Overview

The LPT data logger is a precision instrument for recording pressure and temperature. The logger can store up to 21,500 data points, when it is setup to record either pressure or temperature (but not both). The logger can store up to 10,750 points, when it is setup to record both pressure and temperature. The external temperature probe is interchangeable and replacement probes are available. The pressure sensor is not interchangeable. Each logger is individually calibrated to the pressure sensor at the factory.

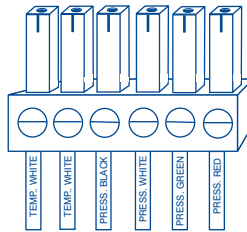
The pressure sensor is media compatible. Compatible substances include, but not limited to: Water, steam, oil, Freon, hydraulic fluid, natural gas, propane.

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 sensor inside the probe is media compatible. The outside of the pressure sensor and the pressure sensor cable are not waterproof. Do not immerse the entire sensor! The temperature sensor is also not waterproof.

Connecting the Sensors to the LPT

The temperature and pressure sensors come preconnected to the 6 position connector plug. The pressure sensor wires are color coded: black, white, green and red. The temperature probe has two white wires and does not have a polarity. To reconnect the temperature and pressure probes, follow the diagram.



Program Your LOGiT

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

LPT Specifications

Sample Point Capacity	10750 data points when pressure and temperature are recorded together. 21500 points when recording only pressure or only temperature.
Alarms	Over and under alarms for pressure and temperature probes.
Calibration	Factory calibrated for the pressure sensor. User single point offset calibration is available through software for both pressure and temperature.
Logger 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.
Pressure Sensor	Media compatible stainless steel sensor. 6ft cable.
Pressure Sensor Operating Temperature	32°F to 130°F (0°C to 54°C)
Time Accuracy	+/-100ppm @75°F
Pressure Range	0 500 PSI
Pressure Accuracy	+/- 3 PSI
Pressure Resolution	0.15 PSI
External Temperature Probe	-40°F to 150°F (-40°C to 65°C), 15ft standard. Can be extended to 300 ft.
Temperature Accuracy	+/- 1.0°F (0.5°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 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.