

Temperature Datalogger

This MicroLite logger includes an internal temperature sensor measuring over a range of -40 to 80 °C (-40 to 176 °F), with accuracy of ± 0.3 °C. Offering 32,000 sample cyclic memory, the MicroLite Temp logger features a USB interface for easy connection to a PC for user configuration, data download and sensor calibration using the free Windows-based DataSuite data analysis software.

You can setup low and high alarm thresholds and view the logger data on the 4-digit LCD, which scrolls between the current and minimum/maximum readings. The LED provides additional sample and alarm indication in the event the LCD is off due to the MicroLite's power save mode.

The logger is designed for both portable and stationary multi-use operation with a replaceable 3V coin battery lasting up to 1.5 years, depending on the operating conditions.

The MicroLite is dust and water resistant to IP67 standard, and together with the DataSuite software is 21 CFR Part 11 compliant.



Key features -

- Measurement range of -40 to 80 °C
- Direct USB interface for setup, alarm and data download
- Supporting Boomerang feature for automatic emailing of PDF report on PC connection
- Multiple activation modes: Timer, Push to Run, Immediate
- LED for alarm and sampling indication
- Four-digit LCD with decimal point
- Up to 32K cyclic sample memory
- Free DataSuite software supporting data analysis and device setup
- Dust and water resistant, IP67

Specifications

Temperature Range	-40 to 80 °C (-40 to 176 °F)
Temperature Accuracy	± 0.3 °C @ 0 to 60 °C
Temperature Resolution	0.03 °C or better
Sample Memory	32,000, samples
Sampling Rate	<i>Minimum:</i> Once every second <i>Maximum:</i> Once every 18 hours
Auto PDF & Email Delivery (Boomerang Feature)	Yes

LCD	Four-digit, 7-segment LCD with decimal point
LED	Yes, for alarm and sampling indication
PC Interface	Direct USB
Battery Type	Replaceable CR2032 3V lithium battery
Battery Life	~ 1.5 years depending on sampling rate and operating conditions
Dimensions	11 x 3.9 x 2.6 cm
Weight	45.5 g
Wall Mount	Logger cradle accessory provided
Operating Environment	-40 to 80 °C
Standards Compliance	21 CFR Part 11, CE, EN12830, IP67