FOURTEC

MicroLite - compact, cost-effective data logging

The MicroLite product line measures temperature, humidity, voltage and current via internal + external inputs. Delivering ultimate application accessibility, the MicroLite is an ideal solution for a variety of industrial cold chain logistics, requiring a small form factor USB data logger.

The comprehensive MicroLite range allows organizations to select the unit most appropriate for their mission-critical environment:

Internal Temperature
LITE5008L / LITE5032L

Internal Temperature & Humidity
LITE5032L-RH

External 4 to 20 mA input
LITE5032L-4/20

External 0 to 10 V input
LITE5032L-V

External NTC 10kΩ input (with NTC probe)
LITE5032L-EXT

Industrial screw-to-wire interface located inside logger cap allows direct data transfer from external sensors to the logger's memory

1 Record data using internal or external sensors

2 USB data download to PDF report with automatic email delivery

3 Data analysis using integrated DataSuite software

MicroLite
Portable cable free USB loggers

DataSuite Software for MicroLite

Supported Operating Systems:
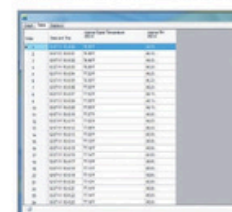Windows® XP SP3/ Vista/ 7/8/8.1/10 (32 and 64 Bit)

Minimum Hardware Requirements:
Pentium 4, 2 GHz Processor or better, 512 MB RAM, 250 MB available disk space

The license-free DataSuite software provides security for your products with online monitoring and control of the entire application environment.
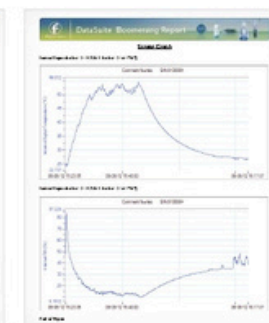
Data View Features
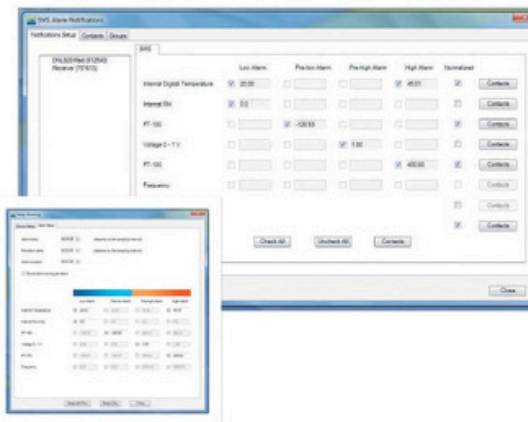Real-time data in multiple displays (Graph, Table, Statistics)

Boomerang™ Feature
Configure logger setup to automatically create and email a PDF data report when connected to a computer via USB
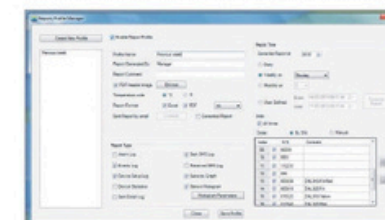
Alarm Features
Alarm level setup with email & SMS notifications. Two alarm levels, allowing for programming of separate parameters, including alarm delay and duration
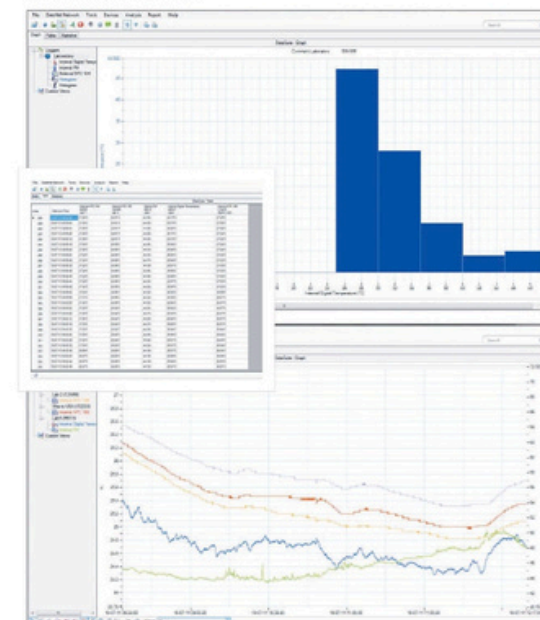
Report Module
The Report module provides the MicroLite user with an intuitive interface for creating and generating reports which have many parameters garnered from the MicroLite units and software. Each report can be emailed to a selected distribution list, at pre-defined time intervals, in PDF and Excel format
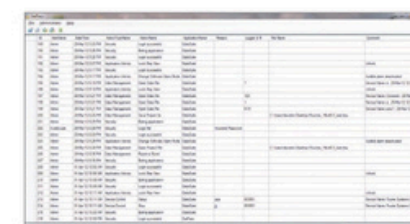
Analysis Features
Dew point analysis, FO Pasteurization, histogram, MKT, statistics with export to Excel and CSV formats

FDA Title 21 CFR Part 11 Compliant

DatPass: DatPass is a user administration software which supports the assignment of passwords and operating privileges for all Fourtec industry application software ensuring CFR compliancy. CFR is a Food and Drug Administration (FDA) issued regulation (Title 21 Code of Federal Regulations, Part 11).

DatPass Audit Trail

MicroLite Specifications

	LITE5008L LITE5032L Internal Temp	LITE5032L-RH Internal Temp/RH	LITE5032L-4/20 4 to 20 mA	LITE5032L-V 0 to 10 V	LITE5032L-EXT External NTC
Range	-40 to 80 °C	Temp: -40 to 80 °C RH: 5 to 95 %	4 to 20 mA	0 to 10 V	-50 to 150 °C
Accuracy	0 to 60 °C: ±0.3 °C After calibration: -40 to 0 °C: ±0.3 °C 60 to 80 °C: ±0.3 °C	After calibration: Temp: ±0.3 °C RH: ± 2%	±20 µA	±5 mV	± 0.3 °C (after calibration with Fourtec NTC sensor)
Resolution	0.03 °C or better	Temp: 0.01 °C RH: 0.05 %	1 µA (display) 5 µA (software)	1 mV (display) 4 mV (software)	0.02 °C or better
Maximum Load	N/A	N/A	25 mA, 3 V	12 V	N/A
Dew Point	X	√	N/A	N/A	N/A
LCD	√	√	√	√	√
LED Alarm Indicator	√	√	√	√	√
Sampling Memory	8,000 and 32,000	32,000 (16K per channel)	32,000		
Sampling Rate	Once per second / once every 18 hours				
Battery Type / Battery Life	CR2032 3V 2 years, depending on sampling rate and operating conditions				
Operating Environment	-40 to 80 °C				
Dimensions (With Cap)	11 x 3.9 x 2.6 cm	11 x 3.9 x 3 cm	14 x 3.9 x 2.6 cm		
Weight	45.5 g				
Standards Compliance	CE, EN12830, IP67	CE, EN12830, IP54			
Wall Mount	Logger cradle accessory provided				

MicroLite
Portable cable free USB loggers

Combining innovation with simplicity, the high accuracy MicroLite USB data logger is a vital tool for monitoring and recording a variety of data. The MicroLite is available in 6 models, offering a unique plug and record data logger for every application and helping organizations maintain the highest standards throughout the cold chain. Real-time sensor readings with corresponding time stamp are clearly displayed on the logger's LCD screen, incorporating alarm thresholds. The logger is designed for low power consumption to extend battery life and reduce the time between battery replacements.

NEW!

Compatible with FourtecLite
An Android mobile application utility that enables reviewing sampling sessions history, configuring devices and monitoring online sampling sessions.

O Up to 32K cyclic memory for real-time data and LCD battery display
O LED for alarm and sampling indication
O External round / needle temperature probe with high temperature resistant teflon cable
O Replaceable battery
O Magnet key for stand-alone logger activation
O Direct USB interface
O Compact for mobile logging
O boomerang for automatic PDF data report
O Free DataSuite software for data analysis and device setup
O Dust and water resistant (depending on logger model)
O Cradle for wall mounting

(f) Sense it. Manage it.
FOURTEC

Solutions

- AGRICULTURE & AQUACULTURE
- COLD CHAIN
- FOOD & FOOD PROCESSING
- HOSPITAL ENVIRONMENTS
- MUSEUMS
- PHARMA INDUSTRY
- WAREHOUSE STORAGE
- TRSNSPORTATION

About Fourtec

Fourtec – Fourier Technologies is a recognized leader in data-logging and monitoring solutions for controlled industrial environments, such as food, pharmaceutical, medical, storage and transportation industries.

Our solutions enable our customers to deliver higher quality products, ensure consumer safety, comply with regulatory requirements and increase profitability. Innovation, expertise and a commitment to quality are the values that drive the development and production of our products.

Fourtec – Fourier Technologies is a proven specialist in cold chain management systems, we deliver end-to-end

solutions that accompany products from the processing floor to the end user.

Fourtec – Fourier Technologies operates in over 50 countries, through local distributers / partners. Fourtec's trusted data acquisition solutions have been implemented globally by many leading organisations such as: Mylan, Pfizer, Teva, Schneider Electric, Vishay, airline catering companies and many others.

Fourtec – Fourier Technologies is a spinoff company based on the industrial division of Fourier Systems, a world leader with more than 30 years of experience in serving this market in the field of science education.