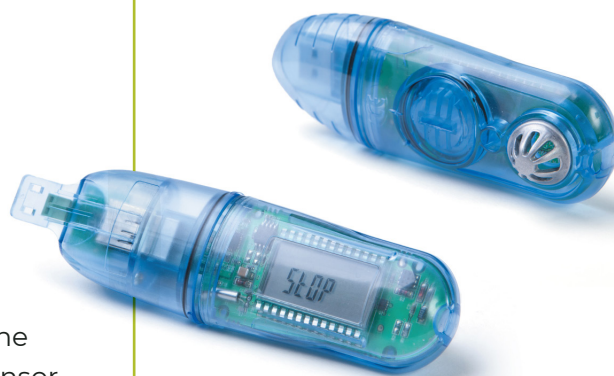




# MicroLite

## 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.



- High accuracy, high functionality, low cost data logger
- Direct USB interface for setup, data download and firmware updates
- Unique Boomerang™ feature that automatically creates and emails PDF data report when logger is connected to PC
- Complimentary DataSuite Software for comprehensive data analysis and logger calibration
- Rapid data download to Graph, Table view and Excel spreadsheet
- LCD featuring up to 3 decimal point readings, min/max data history and battery level
- LED alarm indicator
- Up to 2-year battery life in normal conditions
- 32,000 sample memory accommodating long-haul transports
- Magnet key to mark time stamps, activate and stop logging
- Built-in real-time clock and calendar
- Dust and water resistant, depending on logger model
- Cradle wall mounting for fixed monitoring

## Solutions



AGRICULTURE &  
AQUACULTURE



COLD CHAIN



FOOD & FOOD  
PROCESSING



HOSPITAL  
ENVIRONMENTS



MUSEUMS



PHARMA  
INDUSTRY



WAREHOUSE  
STORAGE



TRANSPORTATION



Sense it. Manage it.

# 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	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					
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				

## 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 distributors / 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.



**FOURTEC**

[www.fourtec.com](http://www.fourtec.com) | [info@fourtec.com](mailto:info@fourtec.com)

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# DataSuite Software for MicroLite

## Supported Operating Systems:

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

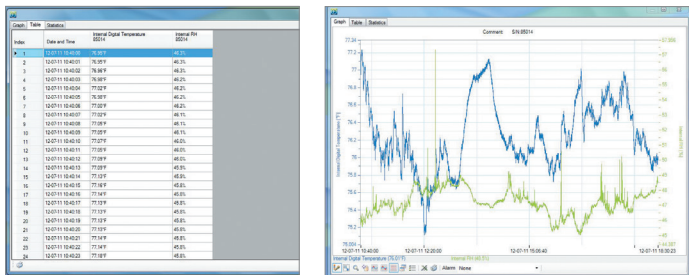
## Minimum Hardware Requirements:

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)



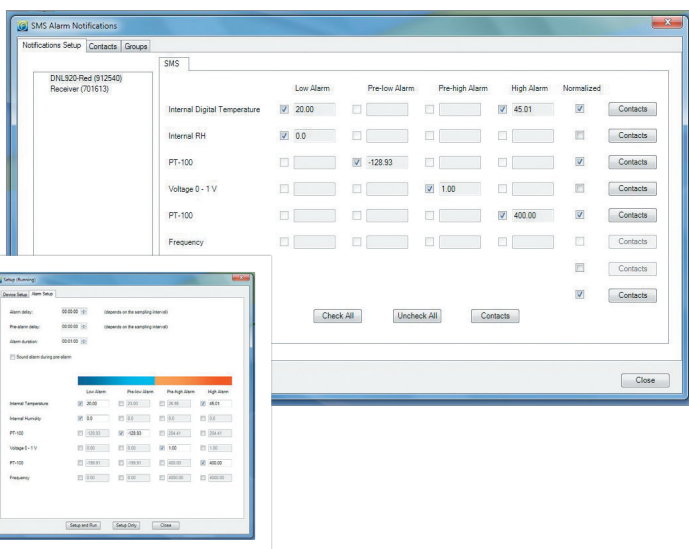
## Boomerang™ Feature

Configure logger setup to automatically create and email a PDF data report when connected to a computer via USB



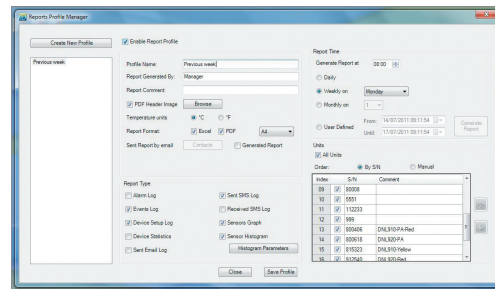
## Alarm Features

Alarm level setup with email & SMS notifications. Two alarm levels, allowing for programming of separate parameters, including alarm delay and duration



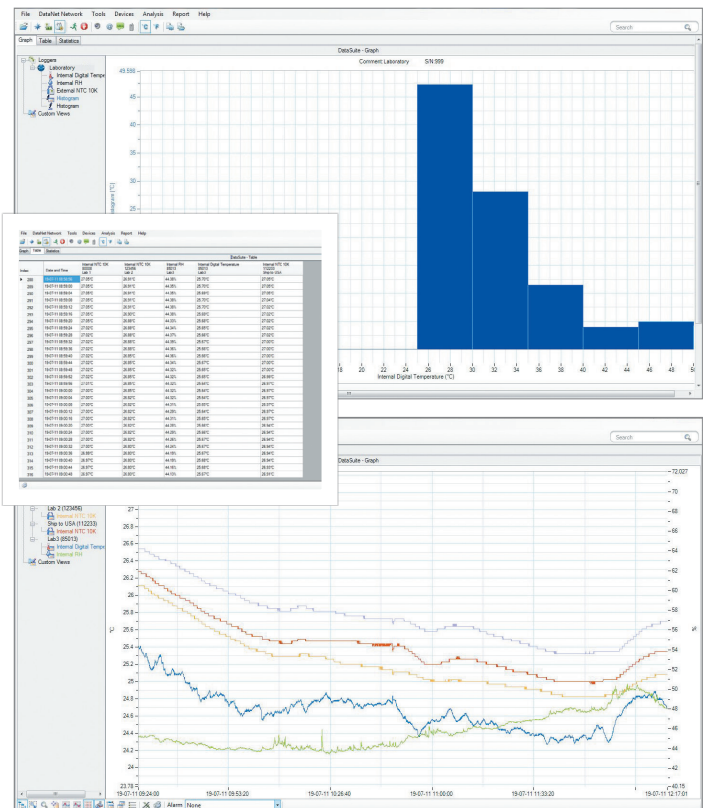
## Report Module

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 compliance. CFR is a Food and Drug Administration (FDA) issued regulation (Title 21 Code of Federal Regulations, Part 11).

ID	Username	Log On	Log Off	Application	Report	Log On S/N	File Name	Comment
10	Admin	2010-12-12 10:00		Security				
101	Admin	2010-12-12 10:00		Security				
102	Admin	2010-12-12 10:00		Security				
103	Admin	2010-12-12 10:00		Security				
104	Admin	2010-12-12 10:00		Security				
105	Admin	2010-12-12 10:00		Security				
106	Admin	2010-12-12 10:00		Security				
107	Admin	2010-12-12 10:00		Security				
108	Admin	2010-12-12 10:00		Security				
109	Admin	2010-12-12 10:00		Security				
110	Admin	2010-12-12 10:00		Security				
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112	Admin	2010-12-12 10:00		Security				
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198	Admin	2010-12-12 10:00		Security				
199	Admin	2010-12-12 10:00		Security				
200	Admin	2010-12-12 10:00		Security				

# 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

## MicroLite

Portable cable free USB loggers



**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