



Designed for ultimate application accessibility, whether mobile or stationary

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 functionality low cost data logger
- Direct USB interface for data download and firmware updates
- Unique Boomerang\* feature that automatically creates and emails PDF data report when logger is connected to PC
- Rapid data download to Graph, Table view and Excel spreadsheet
- Built-in LCD with decimal point readings and LED alarm indicator
- High accuracy sensors with 16-bit resolution
- 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 proof
- Cradle wall mounting for fixed monitoring
- Complimentary DataSuite Software for comprehensive data analysis

\*Patent Pending (US SN: 13/433,432)

www.fourtec.com

# INNOVATIVE MONITORING SOLUTIONS



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# MicoLite Solution

## THE PLUG & RECORD MINI DATA LOGGER



**PHARMACEUTICAL**  
Monitoring environments in labs, fridges, freezers and culture rooms



**WAREHOUSING**  
Chemical, industrial and perishables storage



**COLD STORAGE**  
Optimizing temperature in refrigerated warehousing



**HOSPITALS**  
Medical alert monitoring, sterilization, blood products storage and transport



**COLD CHAIN**  
Ensuring quality products throughout the cold chain process

# 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:



## MicroLite Case Study



**Company:**

The company produces additives, fillings and ingredients for the confectionery industry. Their customers include international brand names such as: Pillsbury, Nestle and Unilever.

**Challenge:**

The company must monitor the product temperature during the production process, to ensure pasteurization has occurred, In addition to providing documentation proving that the

Pasteurization procedure was completed successfully.

**Requirements:**

- A system that proves that the Pasteurization process was performed according to required standards
- Low-cost, reliable, easy-to-integrate solution.

**Solution:**

MicroLite External NTC logger – for controlling pasteurization during the production process.

**Result:**

Instant ROI for the company due to the intuitive and quick implementation of the MicroLite logger + NTC temperature probe solution, with the user friendly, free DataSuite software.

**Method:**

- The MicroLite External NTC temperature data logger was added to the machine's existing controller.
- The temperature of the production process is monitored by the MicroLite device, which is connected to the NTC temperature probe.
- After each stage of the production process ends, the MicroLite device is connected via USB to the computer and a PDF report is generated using the DataSuite software.
- The report indicates if there are any deviations from the defined standards.

# DataSuite Software for MicroLite

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

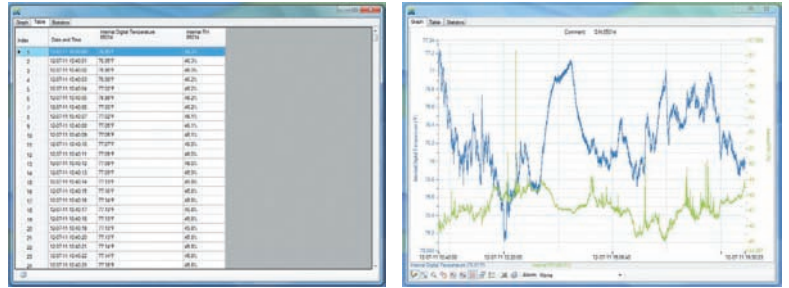
Minimum Hardware Requirements:  
Pentium 4, 2 GHz Processor or better,  
512 MB RAM, 250 MB available disk space



The license-free DataSuite software provides security for your products with online monitoring and control of the entire application environment.

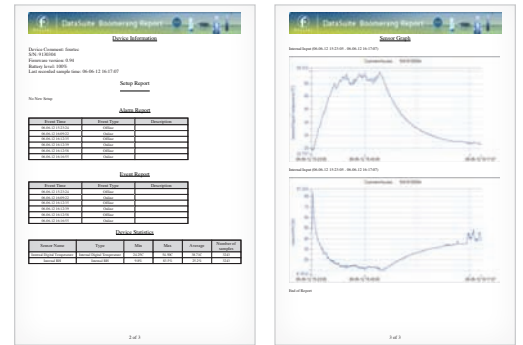
## Data View Features

Real-time data in multiple displays (Graph, Table, Statistics)



## Boomerang\* Feature

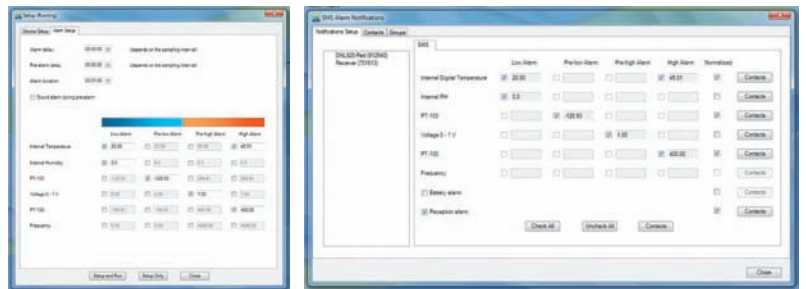
Configure logger setup to automatically create and email PDF data report when connected to computer via USB



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## Alarm Features

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

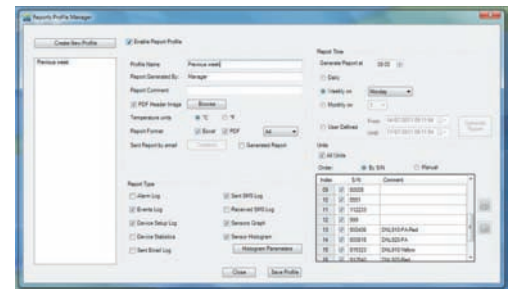


## FDA Title 21 CFR Part 11 Compliant



## 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



## DatPass

DatPass is a user administration software which supports the assignment of passwords and operating privileges for all fourteen 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

## Analysis Features

Dew point analysis, FO Pasteurization, histogram, MKT, statistics with export to Excel and CSV formats

