![fourtec - FOURIER TECHNOLOGIES logo]

Offices and sales representatives worldwide deliver competitively priced fourtec solutions that monitor the entire cold chain process in multiple applications

INNOVATIVE MONITORING SOLUTIONS

fourtec Overview

COMPREHENSIVE DATA ACQUISITION SOLUTIONS

The DataNet multi-unit data acquisition solution provides 24/7 real-time data logging for mission critical organizations. Supporting event-driven security policies from production to delivery, the DataNet leverages the power of ZigBee wireless, 2.4 GHz telemetry protocol, for instant setup and reliable support of up to 65,000 units.

CoolTrak is a mobile wireless data traceability system for securing the integrity of perishable goods with real-time data acquisition and monitoring, whether on-the-move or remotely located.

The MicroLog solution has delivered more than a decade of customer satisfaction, and application reliability for process and manufacturing industries. Accurate, portable temperature & humidity data loggers combine high functionality with ease of use.

The MicroLite is an ideal solution for a variety of industrial cold chain logistics, requiring a small form factor USB data logger. Six MicroLite models allow organizations to select the most appropriate unit for their environment, including internal temperature & humidity and external inputs for 4 to 20 mA, 0 to 10 V and NTC 10 k Ohm.

PicoLite
The compact and easy-to-use PicoLite USB data logger provides a simple solution for temperature monitoring throughout the mass transportation cold chain process.
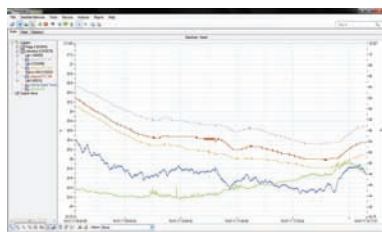
The DaqLink solution is a light, portable, USB standalone data logger. Four external inputs support multiple external sensors, as well as internal humidity & temperature sensors.

For continuous indoor or outdoor data monitoring, DaqLink provides a flexible and budget-friendly solution.

The DaqPRO solution is a stand-alone, professional data acquisition device, with eight high resolution 16-bit sensor inputs. Features high sampling rate of up to 4,000 samples/second. Compatible with standard industrial sensors.

DataSuite is the latest software release from fourtec, an all-in-one platform integrating the company's existing, legacy solutions into a single application.

www.fourtec.com

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

fourtec
FOURIER TECHNOLOGIES

fourtec Solutions
COMPREHENSIVE DATA ACQUISITION SOLUTIONS
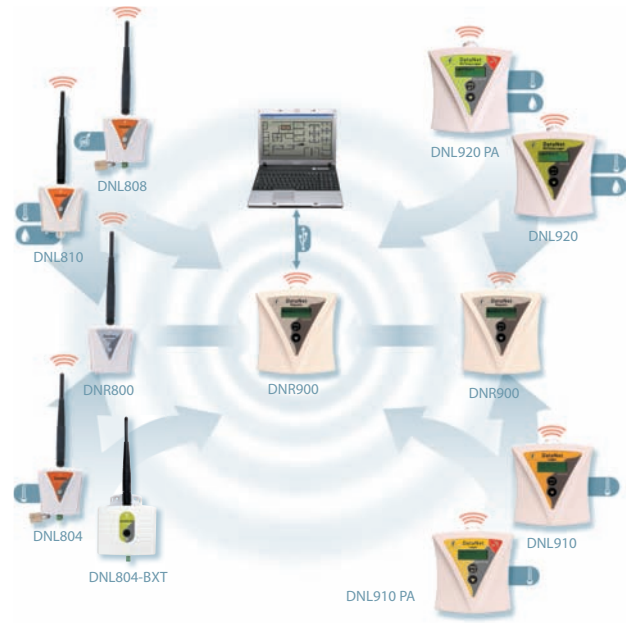
DataNet Solution

DataNet is an essential hardware and software solution that can empower any organization to control distributed networks from a single location using the ZigBee wireless protocol.

The new, next generation ZigBee wireless network data logging solution

DataNet multi-unit data acquisition solution is geared toward 24/7 real-time data logging for mission critical organizations. The DataNet's comprehensive online data logging solution is directed by event-driven security policies.

Logging units function in a wireless mesh network configuration, allowing for 65,000 units in each network. This enables real-time monitoring of multiple test points in a single operation. The DataNet product range includes single channel data loggers as well as multi-channel loggers supporting internal temperature and humidity sensors, as well as 4 external channels for 4 to 20 mA, 0 to 50 mV, 0 to 1 V, PT-100, Thermocouple, Contact, Pulse Counter and Frequency.

DataNet system offers a broad selection of logger models meeting a wide variety of industry applications needs.

DNL808
DNL810
DNR800
DNL804
DNL804-BXT
DNR900
DNL910 PA
DNL920 PA
DNL920
DNR900
DNL910

CoolTrak Solution
A mobile wireless data traceability system

A mobile wireless data traceability system for securing the integrity of perishable goods with real-time data acquisition and monitoring, whether on-the-move or remotely located.

Featuring four external sensor inputs, data is transmitted online, with alarm alerts sent directly to the customer's control room or mobile phone via GSM/GPRS modem.

SMS
Cloud
Mobile Phone Alerts
CoolTrak Inside
Server
PC DataSuite Application
Client
SMS & Email Updates

PicoLite Solution
Portable USB, low cost, disposable logger

Compact, low-cost disposable USB data logger, for unbroken mass transportation cold chain processes. Features a built-in temperature sensor, activation button, 16,000 sample memory, bi-color LED and direct USB connectivity.

The PicoLite is supported by feature-rich, complimentary DataSuite software for data analysis and alarm notification.

MicroLite Solution

Low cost, water resistant, multi-trip temperature data logger, with 16-bit resolution, 4-digit LCD display and direct USB connectivity. The MicroLite works with the DataSuite data analysis software which can be downloaded for free from the fourtec website.

MicroLite internal and external sensors measure the following ranges:
Temperature: -40 to 150 ˚C (-40 to 302 ˚F)
Humidity: 5 to 95 %
Current: 4 to 20 mA
Voltage: 0 to 10 V

MicroLite operating method

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

NEW! Five MicroLite II models offer a solution for every application

- Internal temperature & humidity
- Internal temperature
- External 4 to 20 mA input
- External 0 to 10 V input
- External NTC 10k Ohm input (with NTC -50 to 150 ˚C probe)

MicroLog Solution

The MicroLog solution offers two low-cost portable data loggers for supply chain monitoring, featuring internal temperature and humidity inputs and an external input for connection to MicroLog's temperature, current, voltage and pH sensors.

MicroLog
Temperature & RH/Temperature loggers
-30 to 50 ˚C (-22 to 122 ˚F)
10 to 90 % RH

MicroLogPRO II
Temperature & RH/Temperature loggers
-40 to 80 ˚C (-40 to 176 ˚F)
5 to 95 % RH

MicroLog operating method

1 Record data

2 Connect to PC via RS232 cable or USB cable

3 Display data graphically in the MicroLab or on the DataSuite unified platform analysis software

The next generation MicroLogPRO II with:

- Modified sensor location
- Higher sampling
- Increased memory
- Enhanced LCD
- Default mini-USB port for PC communication and firmware updates.

DaqPRO Solution

16-bit data acquisition and logging system

Professional data acquisition device with eight high resolution 16-bit sensor inputs. The product can be used stand-alone, as a large graphic display allows programming and data analysis, without PC connection. Sensor inputs include: 0 to 24 mA, 0 to 50 mV, 0 to 10 V, NTC, PT-100 (2 and 3–wire), Thermocouple, Pulse Counter and Frequency.

DaqPRO LCD screens

DaqPRO provides truly independent data acquisition with full setup, data display and analysis all on the DaqPRO.

Main Menu

Setup

Configuration

Numeric & graphic data display

Notes

File storage

DaqLink Solution

Built-in temperature and humidity sensors, plus four external probe inputs

4 Channel Multi-probe, USB standalone data logger: High functionality in a simple package

The DaqLink data logger ensures a low cost, reliable and accurate solution. For continuous indoor or outdoor data monitoring, DaqLink is the tool of choice.

DaqLink provides a flexible and budget-friendly solution:
- Real-time - Online operation with data results on screen
- Independent - Manual or PC operation with on-site monitoring via two-row LCD display
- Intuitive - Simple keypad and easy-to-navigate menus
- Long life - Rechargeable battery lasting up to 6 months
- Variety - Four alarm levels with visual LCD, and audible alarms
- Non-stop – Data storage to large onboard memory with periodic USB downloads

DBSA710 - Logger with internal temperature
DBSA720 - Logger with internal temperature and humidity
Both support four external inputs: 4 to 20 mA, 0 to 1 V, 0 to 50 mV, PT-100 2 wires,
Thermocouples (J, K and T), Contact, Pulse Counter and Frequency.

DataSuite

Supports multiple connections and simultaneous data view for: DataNet, DaqLink, MicroLite, MicroLogPRO II, PicoLite and CoolTrak

New unified modular software platform, supporting multiple fourtec monitoring solutions

DataSuite Features:
- Software GUI based on proven fourtec platforms
- Multiple data view features
- Map view displaying unit location, signal path and strength
- Alarm features with 4 alarm levels sending email and SMS notifications
- Reporting module for creating and generating reports with selected distribution
- Analysis features including dew point analysis, FO Pasteurization, histogram, statistics with export to Excel and CSV formats
- API for DataNet system integration

Supported Operating Systems:
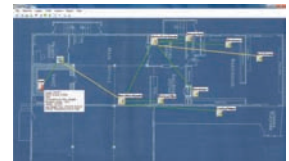Windows® XP SP3 / Vista / 7 (32 and 64 Bit)
Minimum Hardware Requirements:
Pentium 4 2 GHz Processor or better, 512 MB RAM, 250 MB available disk space

Software Features
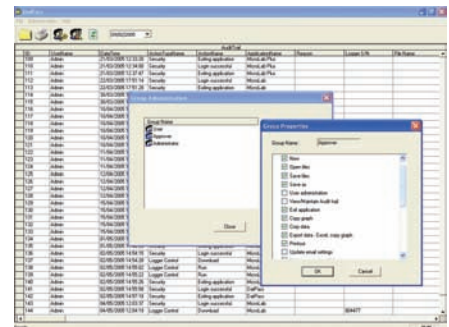
Map View

Alarm

FDA Title 21 CFR Part 11 Compliant

Supporting DataNet, DaqLink, MicroLite, MicroLog, CoolTrak and PicoLite software

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

www.fourtec.com // info@fourtec.com

fourtec
FOURIER TECHNOLOGIES