



Fourtec-Fourier Technologies
Catalog2023



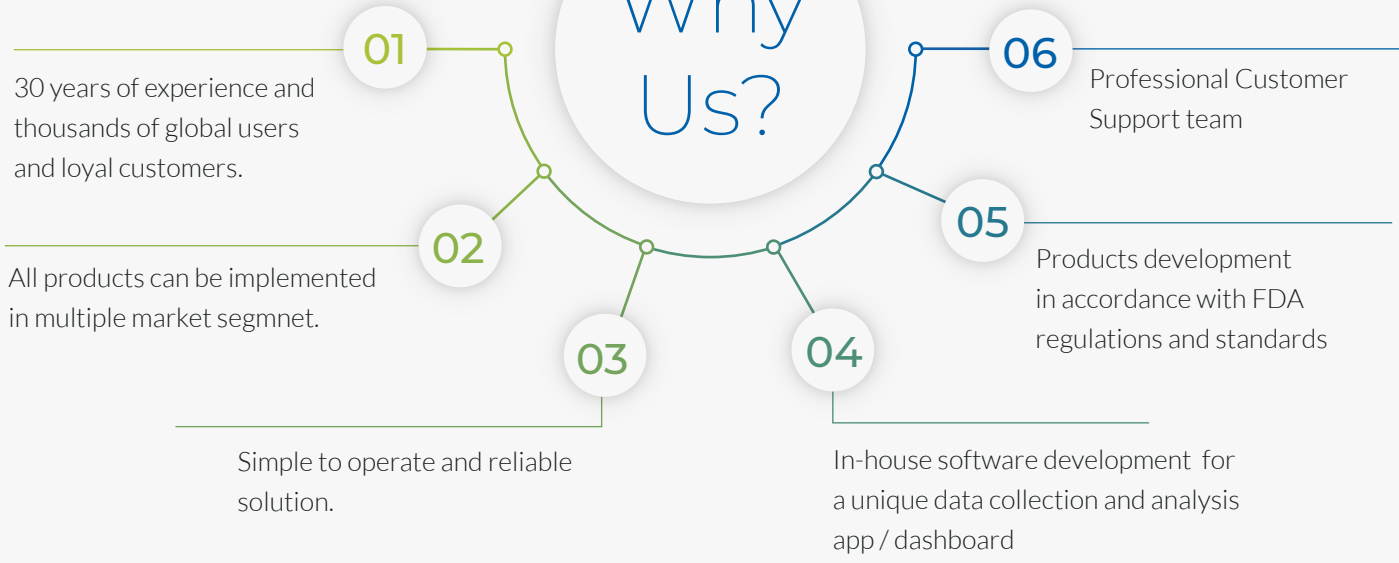
About Fourtec

Fourtec (also known as Fourtec - Fourier Technologies) is a leading developer of data logging systems, providing temperature and humidity monitoring solutions for a wide variety of applications.

Our vision is to provide high quality, simple to operate products which represent the best value for money ratio solutions for our clients in the cold chain, supply and manufacturing process.

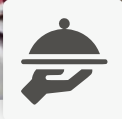
From pharmaceutical manufacturing sites, pharmacies, hospital and laboratories, to food manufacturers and food processing companies, warehousing, transportation, logistics and many more. Our most fast moving and requested products can be found at the world's leading companies, research centers, hospitals, and universities as well as in many other industries and companies from different market segments.

Why Us?



Our solutions

for the cold chain and manufacturing process



Food Manufacturing,
Services & Hospitality



Catering, Ready Meal
Kits & Last Mile Delivery



Agriculture & Aquaculture
Pre & Post Harvesting



Hospital
Environments



Universities
& Research Centers



Pharmaceutical
Manufacturing Sites



Pharmacies



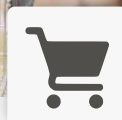
Laboratories



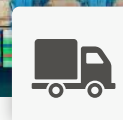
Warehouse



Industrial
Applications



Wholesale
& Retail



In-land & Export
Transportation

Some of Our End Customers

Pharmaceutical, Medical Centers & Universities								

Food and Food Processing								

Industry, Government and State Agencies								



Quality Assurance & Regulatory Compliance

At Fourtec, we acknowledge that in order to succeed in a competitive arena, we must provide reliable and efficient customer service, and ensure that all products produced by the company are of the highest quality. For this purpose, we have established a Quality Management System that meets the requirements of ISO 9001 and ISO 14001

- Our Quality Management System is designed to ensure customer satisfaction, maintaining company efficiency and productivity.
- We are committed to take all necessary measures to ensure a continuous and lasting process of enhancements in the products and services supplied to our customers.
- Highly professional Customer Support, monitored by a service call management system that analyzes all calls.

Fourtec products are also compliant with the following regulations-



HACCP Validation

Hazard analysis and critical control points systematic preventive approach to food safety and biological, chemical, and physical hazards in production processes.



EN 12830

Tests the performance and suitability of temperature recorders for the transport, storage, and distribution of chilled, frozen, deep-frozen/ quick-frozen food and ice cream.



ISO Certification

Management system standards: ISO 9001: 2015 and ISO 14001: 2015.



The USA FDA Food Safety Modernization Act (FSMA)

Proposed Rule for Food Traceability section 204

The U.S. Food and Drug Administration announced on November 15th, 2022, on changes in foodborne illness prevention through the finalization of additional traceability recordkeeping requirements for those that manufacture, process, pack, or hold certain foods as mentioned in the Food Traceability List (FTL).

Within 24 hours of FDA request, information about specific points in the supply chain, such as harvesting, cooling, initial packing, receiving, processing, manufacturing, transforming, and shipping FTL foods, must be provided.

Fourtec's software, the Datasuite, a feature-rich & intuitive data analysis and management software, can be the solution for central and digital monitoring of your temperature and humidity loggers, and a way to meet the new FDA regulations

Sea Food



Fresh-Cut Romaine



* An example of the supply chain for Seafood and Fresh-cut Romaine

As per the FDA new regulations, the traceability records are required to be provided to FDA as soon as possible but no later than 24 hours after a request is made.

Keeping records of temperature and humidity will be required. Fourtec's monitoring solution with its DataSuite software enables date monitoring, analysis and lifetime stored, that can be reviewed in graph, table and statistics, printed or export.

Product Family



MicroLite

Wide range of accurate, portable, multi-trip cablefree USB loggers for cold chain, pharmaceuticals, laboratories, storage and shipment, food and food processing, measurement in refrigerators, cold rooms, electric cabinets, computers, and communication rooms. Compatible with FourtecLite App for Android devices



MicroLogPRO

Accurate environmental monitoring with user-friendly design for cold chain, storage, cold rooms, pharma industry, computers, and communication rooms. Compatible with FourtecLite App for Android devices



PicoLite

Low-cost, limited-use temperature logger for cold chain, healthcare, agriculture and aquaculture in transit and medical cabinets. Compatible with FourtecLite App for Android devices



SingleRide

Single -trip low cost PDF logger. Small, light, waterproof, and packed in a food safe wrapper, this data logger is ideal for monitoring the temperature in transit, storage, and testing processes.



DataNet

Multi-point, online, wireless data monitoring system with easy deployment for stationary environments, hospital environments, museums, production floors, pharma industry, and warehouses.



Dry Ice Logger

Wide operation, dry ice temperature range logger. Multi-trip cable free USB logger for pharmaceuticals, cold chain, refrigerators measurement, extra low vaccine and drugs shipment and storage, laboratories, food and food processing, and cold rooms.



MicroLite

Portable cable free USB loggers



NEW!

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

Measurement temperature range: -40°C to 80°C (-40°F to 176°F)
Humidity range: 5% to 95%
Available also with external needle/round temperature probe allowing wide measurement range of -50°C to 150 °C (-58°F to 302°F)

- Up to 32K cyclic memory for real-time data and LCD battery display
- LED for alarm and sampling indication
- Replaceable battery
- Magnet key for stand-alone logger activation
- Direct USB interface
- Compact for mobile logging
- Boomerang for automatic PDF data report
- Free DataSuite software for data analysis and device setup
- Dust and water resistant IP67/IP54 (depending on logger model)
- Cradle for wall mounting



Solutions



Food Manufacturing, Services & Hospitality



Catering, Ready Meal Kits & Last Mile Delivery



Agriculture & Aquaculture Pre & Post Harvesting



Universities & Research Centers



Pharmaceutical Manufacturing sites



Industrial Applications



Wholesale & Retail



In-land & Export Transportation



Laboratories



Pharmacies



Sense it. Manage it.



MicroLogPRO

Environmental monitoring

Measurement temperature range: -40° to 80 °C (-40°F to 176°F)

Humidity range : 5% to 95%

Available with external input for NTC Temperature sensor

-50°C to 150 °C (-58°F to 302°F)

- Stand-alone monitoring with up to 52K sample memory
- Internal temperature and humidity sensors with high accuracy and resolution
- Multi-function keypad for manual time stamp, run/stop activation
- Mini-USB port for PC communication and firmware updates
- 4-digit data display
- Built-in LED for logging and alarm indication
- Replaceable battery
- Boomerang for automatic PDF data report
- Free DataSuite software for data monitoring, analysis and logger
- Water and dust resistant IP54/NEMA 4

NEW!

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



Solutions



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Warehouse



Sense it. Manage it.

PicoLite

Low cost limited trips logger

Measurement range : -40°C to 80°C (-40°F to 176°F)

- Low cost, logger for an unbroken cold chain
- 16,000 sample memory accommodating long-distance transports
- Internal, high accuracy temperature sensor
- Activation button to start logging and marking time stamps
- 6-month battery life (at one minute sampling)
- Direct USB interface for PC communication
- Built-in bi-color LED for logging and immediate alarm indication
- Free DataSuite software for data analysis and alarm notification
- boomerang for automatic PDF data report
- Water and dust resistant IP67



NEW!

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



Solutions



Food Manufacturing,
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Catering, Ready
Meal Kits & Last
Mile Delivery



Wholesale & Retail



In-land & Export
Transportation



Sense it. Manage it.

FOURTEC



SingleRide

Single-trip low cost PDF logger

Measurement range : -30°C to 70 °C (-22°F to 158°F)

- 8,640 sample capacity
- Activation button to start logging
- USB interface for PC & MAC communication
- Six-month battery life at one minute sample. One-year battery shelf life under applicable environment conditions.
- LED status and alarm indication
- Generates PDF graphic report without a need for software and driver
- Predefined time zone and sampling rate
- Water and dust resistant IP67 with seal bag



Solutions



Catering, Ready Meal Kits & Last Mile Delivery



Agriculture & Aquaculture Pre & Post Harvesting



Wholesale & Retail



In-land & Export Transportation



Sense it. Manage it.

Dry Ice Logger

Extra-low temperature PDF data logger

Measurement range : -80°C to 70 °C (-112°F to 158°F)

- 17,280 sample memory accommodating long-distance transports
- Wider operation temperature range
- Replaceable battery
- Activation button to start logging
- USB interface for PC & MAC communication
- Built-in LED for logging and alarm indication
- User defined Alarm Levels, Sample Rate, and Time Zone settings (for DI)
- Generate PDF report with tracking event
- Water and dust resistant IP67



Solutions



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Environments



Universities &
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Pharmaceutical
manufacturing sites



Pharmacies



Laboratories



Sense it. Manage it.

DataNet

Multi-point online wireless data monitoring

Measurement operation range: -20°C to 50°C (-4°F to 122°F) temperature range and 5% to 95% humidity range
Additional PT100 sensors allow measuring within the range from -200°C to 400 °C (-328°F to 752°F)
Additional various thermocouple types allow measuring within the range from -200°C to 1000 °C (-328°F to 1832°F)
Voltage and current inputs to be used with vast variety of sensors by other producers

- Wireless infrastructure suitable for multiple industrial applications
- Real-time monitoring system, with ZigBee wireless technology
- Robust network with auto-rerouting, data recovery, and long-range transmission
- RF loggers measuring temperature, voltage, current, pulse, frequency, and dry contact
- Operates on license-free 2.4 GHz RF frequency
- Units can also serve as a transmission repeater
- Low-power consumption for long battery life of the logger
- System alarms notifications via SMS, email, and external siren
- Supported DataSuite software for network configuration and data analysis



Solutions



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Services & Hospitality



Agriculture &
Aquaculture Pre &
Post Harvesting



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Pharmaceutical
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Industrial Applications



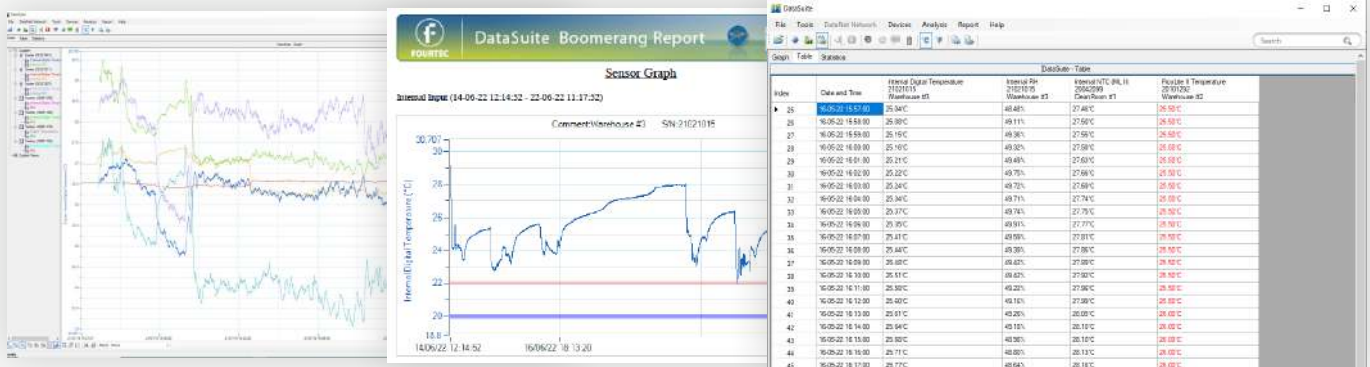
Warehouse



Sense it. Manage it.

Software Solutions

DataSuite | Feature-rich, intuitive, data analysis software



Features:

- Data is monitored online
- Management interface for stand-alone wireless network
- Displayed in graphical and tabular formats
- Comprehensive features for detailed data analysis
- Issuing system reports
- Multiple logger and network configuration
- Logger calibration
- Online firmware updates



Boomerang Report

A feature that sends end users an automatic pre-defined report of the data loggers' recorded data (temperature and humidity) and abnormalities report. In case the logger will be regularly connected to a mobile phone, or any other communication device, a real time alarm will be available. The Boomerang report can be customized to fit user's needs, provided as a free license



Time Stamps

Fourtec offers the option of marking a specific event, called time stamp, by using the data logger itself, to be later analyzed on the DataSuite platform or FourtecLite, once the logger is connected to a computer or mobile phone.

*This option is available for the PicoLite, MicroLite and the MicroLogPro

DatPass CFR | User administration software ensuring CFR compliancy

Features:

- FDA 21 CFR Part 11 and GAMP 5 compliancy
- Installation on a local PC or network
- Records all user activity
- Manages user access to supported systems



Administration management software

Facilitated for administration management and creation of different users hierarchy within the software. In addition, the DatPass maintains an audit trail that automatically records any user activity within DatPass, and supported fourtec software.



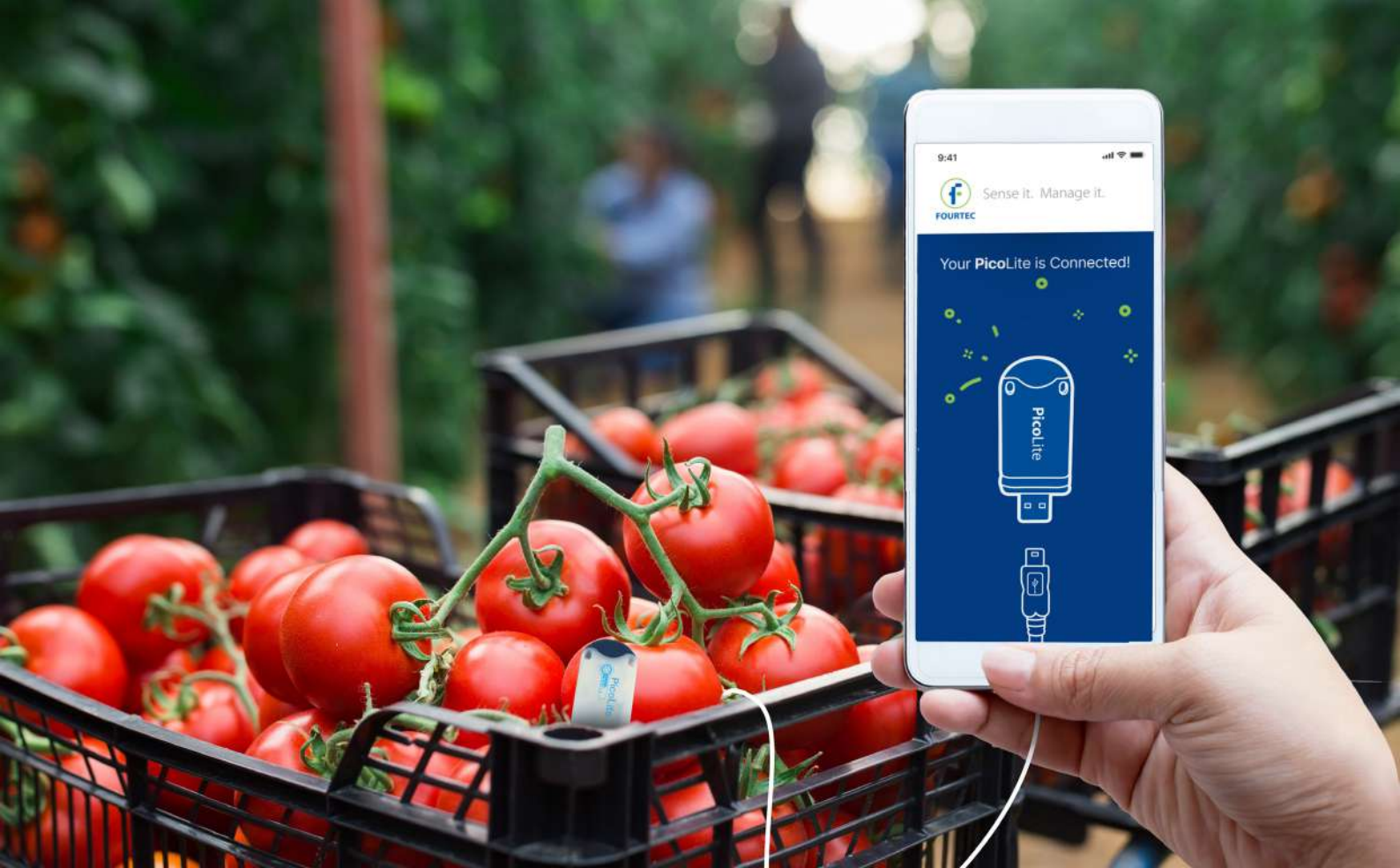
Maintains an audit trail

The audit trail shows who has accessed the system and what operations they have performed, along with a date & time stamp of the activity and tracking of invalid logins to the system.

The screenshot shows the DatPass CFR software interface with a table of user activity logs. The table has columns for 'ID', 'Username', 'Date/Time', 'ActionType/Name', 'Action/Name', 'Application Name', and 'Reason'. A 'Group Administration' dialog box is open over the table, showing options for 'Add Group', 'Remove', and 'Create'. The log entries show various security-related actions such as 'Device Control', 'Security', 'Login successful', and 'Exiting application'.



Sense it. Manage it.



FourtecLite | Android Devices Application

NEW!

Features:

Easy, convient portable data monitoring solution from everywhere



Boomerang Report

a feature that sends end users an automatic pre-defined report of the data loggers' recorded data (temperature and humidity) and abnormalities report. In case the logger will be regularly connected to a mobile phone, or any other communication device, a real time alarm will be available.

The Boomerang report can be customized to fit user's needs, provided as a free license

Send email notifications of data abnormalities

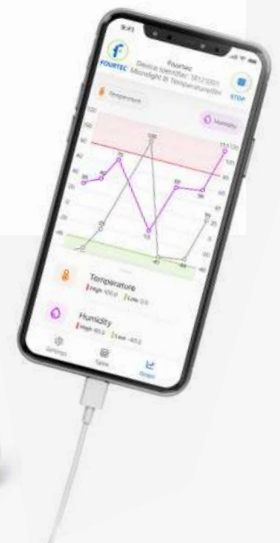


Keep your data updated wherever you go on your logger, PC and android device

Present and download real time data from your data logger



Define and customize your logger from everywhere



The app supports the following devices:



MicroLite III
Temperature



MicroLite III
Temperature / RH



MicroLite III NTC



MicroLogPro III
Temperature / RH



MicroLogPro III
Temperature



PicoLite



Fourtec- Keep It Simple



FOURTEC

www.fourtec.com