"Quality
is not an act,
it is a
habit."

Aristotle

FOURTEC

Fourtec – Fourier Technologies

Catalog 2026

About Fourtec

Fourtec is a leading developer of data logging systems, offering a variety of solutions, with Wifi & BLE data loggers, for precise Temperature and Humidity monitoring

For over 35 years, Fourtec has provided high-quality, simple to operate, and value for money solutions that cater a wide range of applications.

From electronic, semiconductors and industrial manufacturers to pharmaceutical manufacturing sites, pharmacies, hospitals and laboratories, 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, and universities as well as in many other industries and companies.

Why Us?

Value for money, simple to operate and reliable solutions

All products can be implemented in multiple market segmnet

Products development in accordance with FDA regulations and standards

In-house software development for a unique data collection and analysis app / dashboard

Professional Customer Support team

30 years of experience and thousands of global users and loyal customers

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Fourtec innovations New 2026

COMING SOON

DataSuite Feature

Remote DataSuite

Remote DataSuite gives users full access to their DataSuite environment from any location with an internet connection, directly through a web browser.

Remote DataSuite capabilities include:

- Live data viewing
- Remote control of logger operations
- Stop and start loggers
- Alarm notifications
- On-demand report generation for predefined reportsindustrial operations.

FourtecLite Feature

Wireless Logger Overview

- Gain instant visibility of all wireless loggers on a single screen.
- View real-time temperature and humidity data, access directly from the app menu.
- Check system status at a glance, customize logger order, and quickly identify abnormalities.

MicroAir

Advanced Temperature & Humidity Wifi Data Logger

SingleRide TH

Single-trip low cost PDF logger for monitoring Temperature and Humidity

Our solutions

for the cold chain and manufacturing process

Food Manufacturing

Universities & Research Centers

Warehouse & Museums

Catering, Ready Meal Kits, Services & Hospitality

Pharmaceutical Manufacturing Sites

Industrial Applications

Agriculture & Aquaculture Pre & Post Harvest

Pharmacies

Wholesale & Retail

Hospital Environments

Laboratories

Export, In-land & Last Mile Delivery Transportation

Some of Our End Customers

Pharmaceutical, Medical Centers & Universties

Food and Food Processing

Industry, Government and State Agencies

Product Line

MicroLite Family

Wide range of accurate, portable, multi-trip cablefree Temperature and Humidity USB loggers for electronic, semiconductors and industrial manufacturers, pharmaceuticals manufacturing sites, laboratories, food and food processing, cold rooms, communication rooms and shipment.

Compatible with FourtecLite App for Android devices

MicroLogPRO Family

A multi- functional Temperature and Humidity data logger for various pharmaceutical, industrial and supply chain applications, storage, cold rooms, computers and communication rooms.

Compatible with FourtecLite App for Android devices

MicroAirWIFI

The MicroAir WiFi Logger is a reliable, real-time monitoring solution with built-in Temperature and Humidity sensors and an external input for NTC temperature sensors.

Compatible with FourtecLite App for Android devices

DataNet Family

Multi-point, real time, wireless Temperature and Humidity monitoring system with easy deployment for stationary environments, hospitals environments, museums, production floors, pharma industry, and warehouses.

BluLite

A Bluetooth Low Energy Temperature and Humidity data logger, suitable for the cold chain and supply chain monitoring process: pharmacies, laboratories, storage and transportation.

Compatible with FourtecLite App for Android devices

Dry Ice Logger

Dry ice Temperature USB logger for pharmaceuticals (vaccine and drugs storage and shipment), refrigerators, laboratories, and cold rooms.

PicoLite

Limited-use Temperature logger for the cold chain processes, long range tranportaion and last mile delivery.

Compatible with FourtecLite App for Android devices

SIngleRide/SingleRide TH

Single -trip low cost PDF logger. Small, light, waterproof, and packed in a food safe wrapper, for monitoring Temperature and Humidity in in-land and last mile delivery and transportation.

MicroLite

Portable cable free USB loggers

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)

Compatible with the DataSuite software for desktop and FourtecLite app for Android devices

- Up to 32K samples memory capacity
- Direct USB interface
- Free license to use for the DataSuite software and FourtecLite Android app
- Boomerang feature for automatic data abnormalities PDF report
- LED for alarm and sampling indication
- LCD battery display
- Replaceable battery
- Magnet key for stand-alone logger activation
- Dust and water resistant IP67/IP54 (depending on logger model)
- Cradle for wall mounting

MicroLite III Temperature

MicroLite III Temperature & RH

MicroLite III NTC

Solutions

- Food Manufacturing
- Catering, Ready Meal Kits, Services & Hospitality
- Agriculture & Aquaculture Pre & Post Harvesting
- Hospital Environments
- Universities & Research Centers
- Pharmaceutical Manufacturing sites
- Pharmacies
- Laboratories
- Industrial Applications
- Wholesale & Retail
- Export, In-land & Last Mile Delivery Transportation

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)

Compatible with the DataSuite software for desktop and FourtecLite app for Android devices

- Up to 52k samples memory capacity
- Mini-USB port for PC communication and firmware updates
- Free license for the DataSuite software and FourtecLite Android app
- Boomerang feature for automatic PDF data report
- Multi-function keypad for manual time stamp, run/stop activation
- Built-in LED for logging and alarm indication
- 4-digit data display
- LCD battery display, replacable battery
- Water and dust-resistant IP54/NEMA 4

MicroLogPRO III Temperature

MicroLogPRO III Temperature & RH

Avaliable with external NTC probe

Solutions

Food Manufacturing

Catering, Ready Meal Kits, Services & Hospitality

Agriculture & Aquaculture Pre & Post Harvesting

Hospital Environments

Universities & Research Centers

Pharmaceutical Manufacturing sites

Pharmacies

Laboratories

Warehouse & Museums

Industrial Applications

Wholesale & Retail

Export, In-land & Last Mile Delivery Transportation

MicroAir WiFi

NEW

Real-Time Monitoring for Temperature and Humidity

Compatible with the DataSuite software for desktop and FourtecLite app for Android devices

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)

- Up to 52k samples memory capacity
- Mini-USB port for PC communication and firmware updates
- Free license for the DataSuite software and FourtecLite Android app
- Boomerang feature for automatic PDF data report
- Real time monitoring via DataSuite software
- Connectivity: Wi-Fi 802.11 b/g/n
- Multi-function keypad for manual time stamp, run/stop activation
- Built-in LED for logging and alarm indication
  LCD: Four-digit, 7-segment display with decimal points
  LED: Bi-color alarm indicator
- LCD battery display, replacable battery
- Water and dust-resistant IP54/NEMA 4

Avaliable with external NTC probe

Solutions

Food Manufacturing

Catering, Ready Meal Kits, Services & Hospitality

Agriculture & Aquaculture Pre & Post Harvesting

Hospital Environments

Universities & Research Centers

Pharmaceutical Manufacturing sites

Pharmacies

Laboratories

Warehouse & Museums

Industrial Applications

Wholesale & Retail

Export, In-land & Last Mile Delivery Transportation

Compatible with the DataSuite software for desktop and FourtecLite app for Android devices

BluLite

A Bluetooth Temperature & Humidity data logger

Measurement temperature range: -20°C to 60°C (-4°F to 140°F)
Humidity range: 0% to 90%

- Up to 32K samples memory capacity
- Bluetooth Low Energy (5.0) connectivity
- LCD alarm indication with key parameters information
- Free license to use for the DataSuite software and FourtecLite data
- Boomerang feature for automatic PDF data report
- Real time monitoring via DataSuite software
- Replaceable battery
- Water and dust resistant IP54

Solutions

- Food Manufacturing
- Catering, Ready Meal Kits, Services & Hospitality
- Agriculture & Aquaculture Pre & Post Harvesting
- Pharmaceutical Manufacturing sites
- Pharmacies
- Laboratories
- Warehouse & Museums
- Industrial Applications
- Wholesale & Retail
- Export, In-land & Last Mile Delivery Transportation

DataNet

Multi-point realtime wireless data monitoring netwrok

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 and storge applications
- Multiple network management from single workstation or via LAN for long range monitoring
- Real-time monitoring system with ZigBee wireless technology
- Robust network with auto-rerouting, data recovery, and long-range transmission
- Boomerang feature for automatic PDF data report
- RF loggers measuring temperature, voltage, current, pulse, frequency, and dry contact
- Operates on 2.4 GHz RF frequency
- Units can also serve as a transmission repeater
- Low power consumption for long battery life of the logger
- System alarm notifications via SMS, email, and external siren

DataNet
Receiver/Repeater

DNR900A

DataNet Wireless
Temperature Logger

DNL910A

Temperature &
Humidity Probe

Thermocouple
Type K

PT-100
external probe

Solutions

- Food Manufacturing
- Hospital Environments
- Pharmaceutical Manufacturing sites
- Warehouse & Museums
- Industrial Applications
- Wholesale & Retail

SingleRide /SingleRide TH

Single-trip low cost Temperature & Humidity PDF logger

Temperature range : -30°C to 70 °C (-22°F to 158°F)
Humidity range: 0~100%RH

- 8,640 samples memory 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

SingleRide SingleRide TH

Solutions

Catering, Ready Meal Kits, Services & Hospitality

Agriculture & Aquaculture Pre & Post Harvest

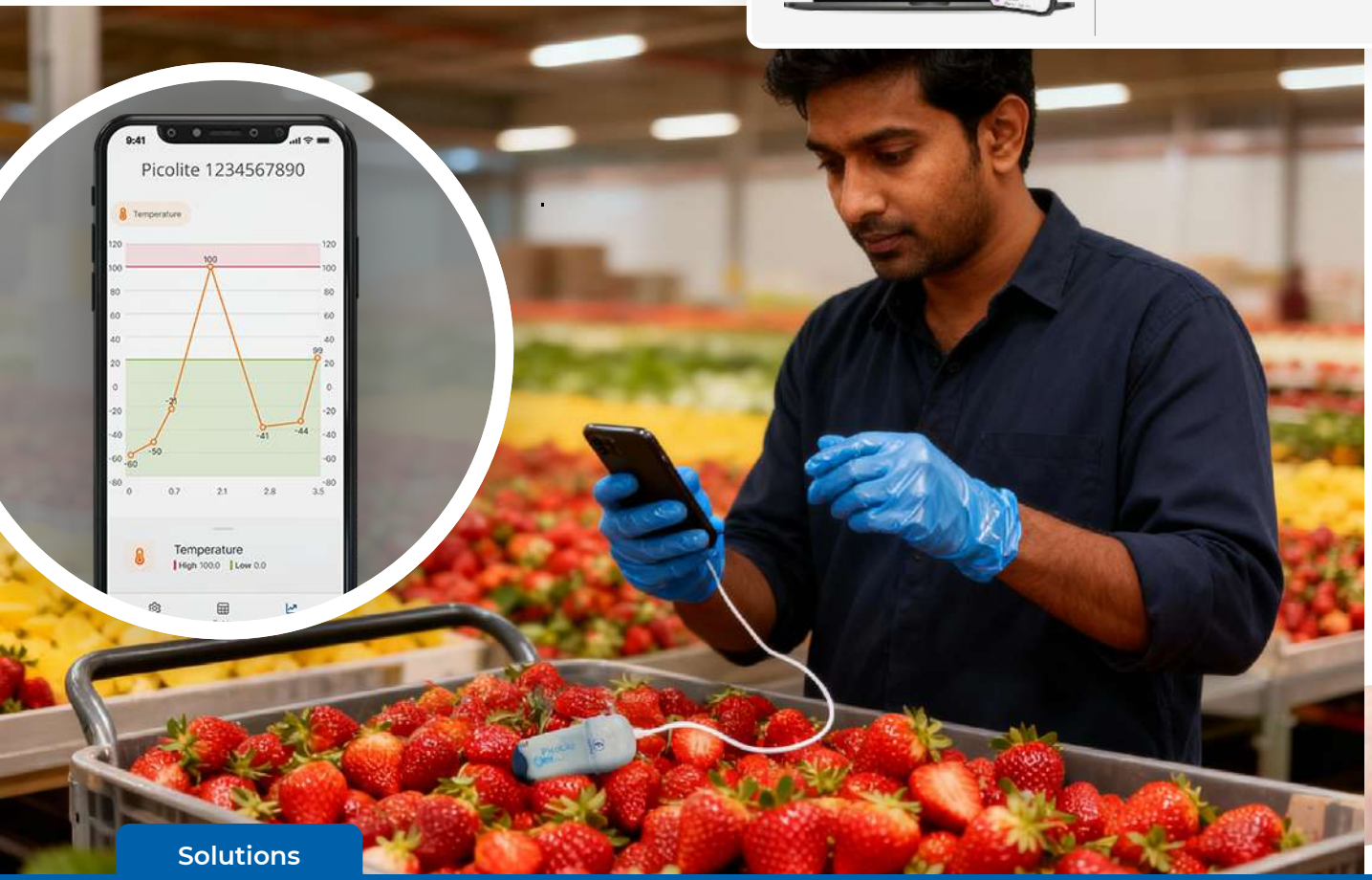
Wholesale & Retail

Export, In-land & Last Mile Delivery Transportation

PicoLite

Limited trips Temperature logger

Compatible with the DataSuite software for desktop and FourtecLite app for Android devices



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

- Up to 16k samples memory capacity
- Direct USB interface for PC communication
- Free license to use for the DataSuite software and FourtecLite data
- Boomerang for automatic PDF data report
- Activation button to start logging and marking time stamps
- Built-in bi-color LED for logging and immediate alarm indication
- 6-month battery life (at one minute sampling)
- Water and dust resistant IP67

Solutions

- Food Manufacturing
- Catering, Ready Meal Kits, Services & Hospitality
- Agriculture & Aquaculture Pre & Post Harvest
- Pharmacies
- Wholesale & Retail
- Export, In-land & Last Mile Delivery Transportation

Dry Ice Logger

Extra-low Temperature PDF data logger

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

- 17,280 samples memory capacity
- 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
- Water and dust resistant IP67

Solutions

- Hospital Environments
- Universities & Research Centers
- Pharmaceutical Manufacturing sites
- Pharmacies
- Laboratories

Software Solutions

DataSuite

Feature-rich, intuitive, data analysis software

Features:

Display up to 14 loggers simultaneously

Data displayed in graphical and tabular formats

Lifetime data track of all the loggers' measurements

Boomerang Report- sends automatic emails to pre-defined recipients with a report of the data loggers' recorded data (temperature and humidity) and abnormalities report

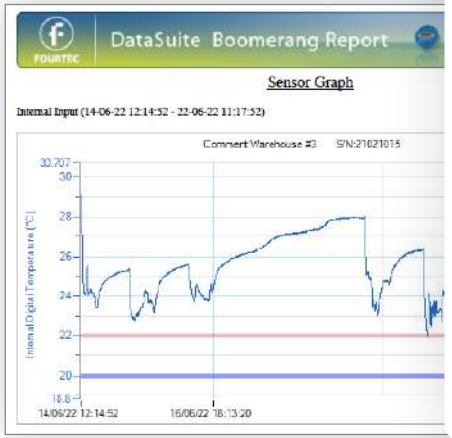
Time Stamps- Analyze specific events in time that were marked by the user on the logger itself, called Time Stamps.

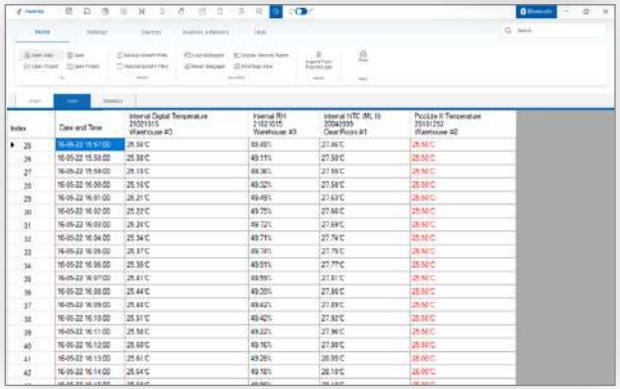
Logger setup and calibration- perform calibration, update firmware, name the logger, define temperature scale, cyclic run, push to run, timer run, sampling rate, etc.

Print or export the data to excel for further analysis or regulations requirements

Developed in accordance to FDA requirments

Free license to use with software updates and upgrades





COMING SOON

Remote DataSuite

Remote DataSuite gives users full access to their DataSuite environment from any location with an internet connection, directly through a web browser.

Remote DataSuite capabilities include:

- Live data viewing
- Remote control of logger operations
- Stop and start loggers
- Alarm notifications
- On-demand report generation for predefined reportsindustrial operations.

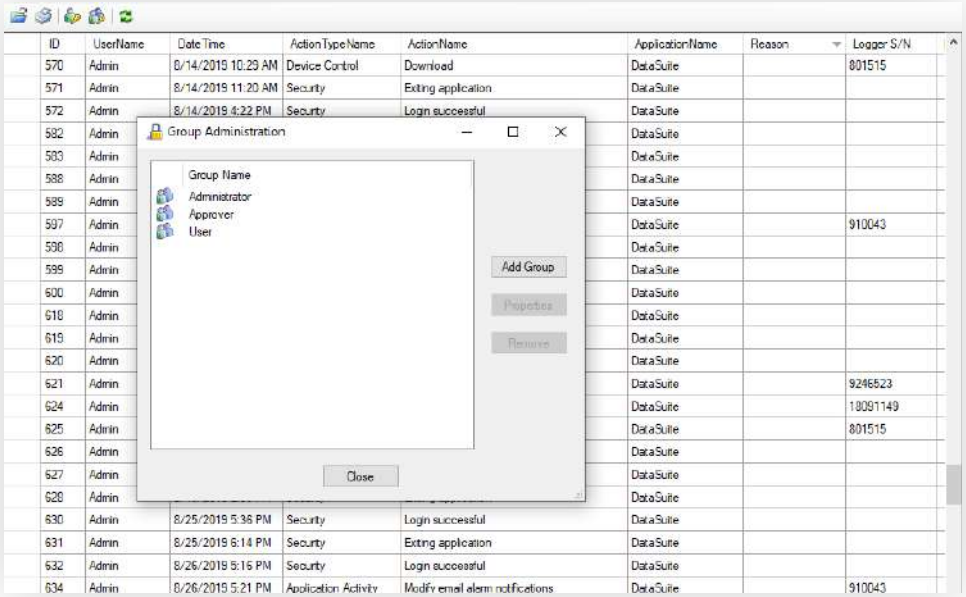
Software Solutions

DatPass CFR

Administration Management Software

Facilitated for administration management and creation of different user hierarchies within the software.

- FDA 21 CFR Part 11 and GAMP 5 compliancy
- Install on a local PC or network
- Record all user activity
- Manages user access to supported systems
- Keeps an audit trail that automatically records any user activity within DatPass, and supported Fourtec software.
- The audit trail shows who has accessed the system and what operations they have performed, marked with a date & time stamp of the activity and tracking of invalid logins to the system



ID	UserName	Date Time	ActionTypeName	ActionName	ApplicationName	Reason	Logger S/N
570	Admin	8/14/2019 10:29 AM	Device Control	Download	DataSuite		801515
571	Admin	8/14/2019 11:20 AM	Security	Exiting application	DataSuite		
572	Admin	8/14/2019 4:22 PM	Security	Login successful	DataSuite		
582	Admin				DataSuite		
583	Admin				DataSuite		
588	Admin				DataSuite		
589	Admin				DataSuite		
597	Admin				DataSuite		910043
598	Admin				DataSuite		
599	Admin				DataSuite		
600	Admin				DataSuite		
618	Admin				DataSuite		
619	Admin				DataSuite		
620	Admin				DataSuite		
621	Admin				DataSuite		9246523
624	Admin				DataSuite		18091149
625	Admin				DataSuite		801515
626	Admin				DataSuite		
627	Admin				DataSuite		
628	Admin				DataSuite		
630	Admin	8/25/2019 5:36 PM	Security	Login successful	DataSuite		
631	Admin	8/25/2019 6:14 PM	Security	Exiting application	DataSuite		
632	Admin	8/26/2019 8:16 PM	Security	Login successful	DataSuite		
634	Admin	8/26/2019 5:21 PM	Application Activity	Modify email alarm notifications	DataSuite		910043

Software Solutions

FourtecLite

Android Devices Application

GET IT ON Google Play

Features:

Easy, convient portable data monitoring solution from everywhere

Send email notifications of data abnormalities

Present and download real time data from your data logger

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.

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

Define and customize your logger from everywhere

NEW

Wireless Overview – Quick Access

- View all wireless loggers on one screen
- See real-time Temp/RH data instantly
- Access from the app menu
- Ideal for view of multiple BluLite loggers

The app supports the following devices:

MicroLite III Temperature

MicroLite III Temperature & RH

MicroLite III NTC

MicroLogPro III Temperature

MicroLogPro III Temperature &RH

NEW

MicroAir

PicoLite

BluLite

External Sensors

Replacement NTC Temperature

General specification

- NTC 10kΩ
- Range: -50°C to 150 °C
- Needle length: 100 mm
- Cable length: 1.5 m
- Two wires connector
- Includes cable strain relief

Round probe DT332R	Needle probe DT332N	Needle probe with Teflon cable DT332N-C
Range: -50°C to 150°C	**Range:** -50°C to 150°C	**Range:** -65°C to 250°C
MicroLite	MicroLite | DataNet	MicroLite | DataNet

External Temperature round probe

	DT093A	DT132A
Range:	MicroLog: -50°C to 110 °C MicroLogPRO III: -50°C to 150°C	MicroLog: -50°C to 110 °C MicroLogPRO III: -50 to 150 °C
Probe length:	100 mm	100 mm
Cable length:	8 m	1.5 m

Microlog | MicroAir

External Temperature needle probe

	DT132N
Range:	MicroLog: -50°C to 110°C MicroLogPRO III: -50°C to 150°C
Probe length:	100mm
Cable length:	1.5m

Microlog | MicroAir

Replacement Mini USB communication cable

13248

- Cable length: 1 m
- 5-pin Mini USB to A Type

Microlog | MicroAir | DataNet

DataNet Sensors

PT-100 sensor (2-wires)

Part Number	12753	12752	12751	50116
Prob Range:	-70°C to 400°C	-70°C to 400°C	-70°C to 400°C	200°C to 400°C
Probe length:	80mm	80mm	80mm	80mm
Teflon cable range:	-65°C to 200°C	-65°C to 200°C	-65°C to 200°C	-65°C to 200°C
Teflon Cable length:	2.5m	4m	6m	2.5m

Thermocouple Type K

	50165
Range:	-200°C to 1000°C
Cable length:	500 mm
Probe diameter:	1.5 mm
Flat pin connector	

Temperature & Humidity Probe

	DT043
RH:	0% to 100% ±1.5%
Temperature:	-40°C to 60°C, ± 0.5°C
cable length:	1.5m
Flat pin connector	

Accessories

Replacement Magnet Key

11597

MicroLite

Replacement O-ring
Two O-rings per order

13052

MicroLite

Replacement Cradle for Wall Mounting
Includes screws and screw anchors

50115

MicroLite

Replacement Terminal Block

11506

MicroLite | DataNet

Calibration Certificate

11199

MicroLite | MicroLog | MicroAir
Picolite | DryIce | BlueLite

DataNet Accessories

USB over IP Ethernet Adapter

13750

- Allows USB Devices to be used and shared over LAN
- For remote logging, where PC connection is not possible
- Four USB ports

External Siren + Strobe Alarm

13825A

- Connects to DNR900 or DNL9xx
- LED strobe light
- 110 dB Siren (can be disabled)
- External 12 V universal power supply included

Replacement 100/240 V, 12 VDC Universal power supply (for European, Australian, USA, UKplugs)

AD001

For DNR900, DNR800, DNL9xx units

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)

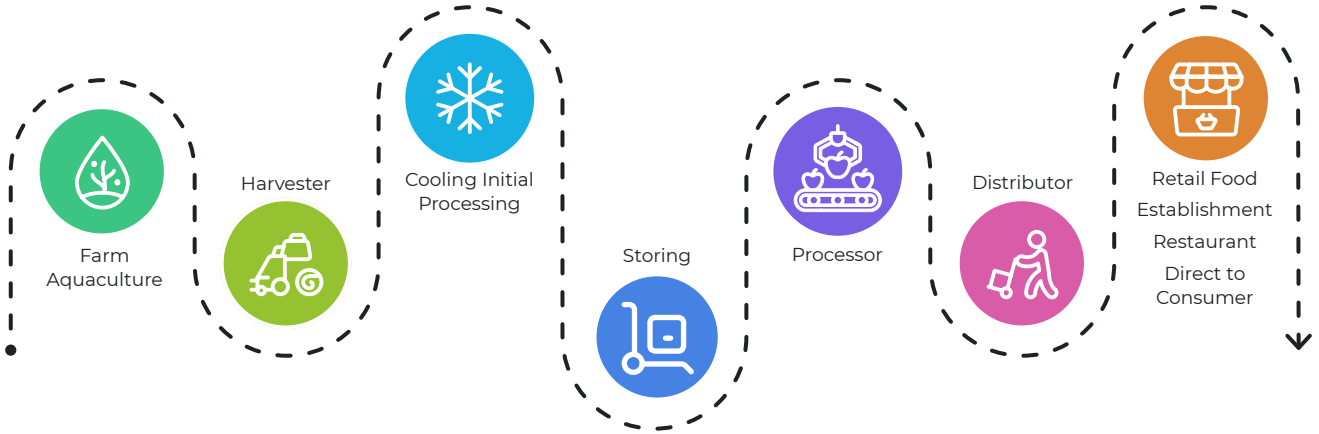
The FDA final rule on Requirements for Additional Traceability Records for Certain Foods (Food Traceability Final Rule) establishes traceability recordkeeping requirements for companies who manufacture, process, pack, or hold foods included on the Food Traceability List (FTL).

The requirment is to maintain records containing **Key Data Elements (KDEs)** associated with specific **Critical Tracking Events (CTEs)**; and provide information to the FDA within 24 hours or within some reasonable time to which the FDA has agreed.

The new requirements will enable faster identification and rapid removal of potentially contaminated food from the market, resulting in fewer foodborne illnesses and/or deaths.

Fourtec's data loggers are managed by the DataSuite software and FourtecLite Android app that offer feature-rich and intuitive data analysis and management solutions for central and digital monitoring of temperature and humidity loggers.
By enabling data monitoring, analysis and lifetime data storage, the user can monitor key data points in a way that meets the new FDA regulations.

Supply Chain Process for Imported Fruits and Vegetables



SENSE IT, MANAGE IT & KEEP IT SIMPLE!

FOURTEC

www.fourtec.com