



CoolTrak GPRS mobile monitoring solution keeps your goods safe and fresh throughout the cold chain

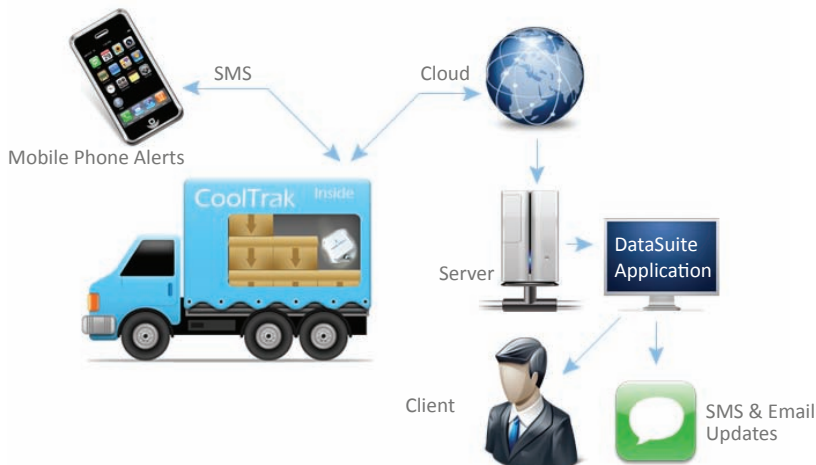


Taking cold chain monitoring to the next level, CoolTrak is a mobile wireless data traceability system for securing the integrity of perishable goods with real-time data acquisition and monitoring, whether on-the-move or remotely located.

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

CoolTrak provides organizations with full quality control throughout the cold chain, to comply with the highest industry standards. CoolTrak will identify breaks in the cold chain as they occur, allowing proactive and rapid optimization of shipment loads and routes, ensuring longer product shelf life. In addition, the system's simple installation combined with an attractive price-point ensures immediate ROI.

- Unbroken cold chain delivering fresher and safer goods
- Real-time data streaming to PC with large cyclic memory storage, using GPRS communication
- Two-way communication with PC allowing on-the-fly status inquiry via SMS
- Four recording inputs measuring multiple industry-standard sensors
- Four alarm levels with email/SMS notification to any location
- Contact input for switch/door positioning alarm
- Long-lasting rechargeable battery
- 59,000 sample memory accommodating long-haul transports



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INNOVATIVE
MONITORING
SOLUTIONS

CoolTrak Solution

COLD CHAIN TRACEABILITY SYSTEM



COLD CHAIN
Ensuring Quality products throughout the cold chain process



FOOD & BEVERAGE
Ensuring quality control when transporting perishable goods through the cold chain process



PHARMACEUTICAL
Online monitoring of vaccines, blood products and drugs during transportation



AGRICULTURE
Mobile temperature tracking of cut flowers and plants throughout the global distribution network



CHEMICALS
Ensuring quality control and compliance with stringent industry safety standards

Advanced Sampling Features

- Memory: non-volatile 59,000 samples
- Sampling rate: 1 per second to 1 per 18 hours
- Sampling resolution: 16-bit
- Channel separation: 80 dB
- Continuous sampling, using internal battery when vehicle switch is off

Advanced Communication Features

- Power-save GPRS transmission: transmitting only when vehicle switch is on
- Configurable SMS alarm: initiated by vehicle unit and/or from remote PC
- Online status inquiry via SMS
- External GPRS antenna

External Inputs

- Temperature PT-100 2-wire
- Temperature Thermocouple J, K, T
- Contact - for switch/door position

Additional Inputs

- 4 to 20 mA
- 0 to 1 V
- 0 to 50 mV
- Frequency
- Pulse Counter

External Outputs

- 12 VDC power excitation
- Dry Contact alarm output

Operating Temperature

- Range: -4 to 122 °F; -20 to 50 °C

IP Rating

- Water and dust proof IP67

Power Supply

AC Power

- 12V or 24V DC input (with transformer), from the vehicle battery or cooling system
- Back-up battery
- Rechargeable 4.8 V, 800 mAh NiMH battery
- Built-in battery charger
- Battery life: Up to 6 months depending on configuration

Administrator Features

- Built-in 2-row internal LCD, 16 character display for onsite data view
- Intuitive keypad with Run/Pause logging option

Mounting Plate

External ON/OFF switch

Standards Compliance

- CE, FCC, IC Canada

DataSuite Software for CoolTrak

DataSuite is a modular software platform, simultaneously supporting multiple fourtec monitoring solutions

- Software GUI based on proven fourtec platforms
- Multiple data view features
- 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

Supported Operating Systems:

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

Minimum Hardware Requirements:

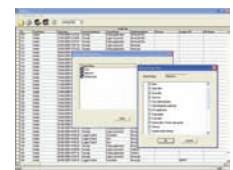
Pentium 4.2 GHz Processor or better, 512 MB RAM, 250 MB available disk space



FDA Title 21 CFR Part 11 Compliant

DatPass

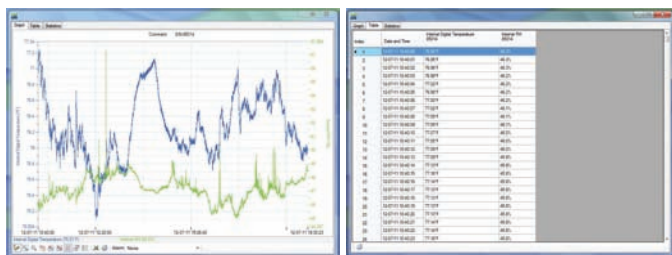
DatPass is a user administration software which supports the assignment of passwords and operating privileges for all fourtec industry application software ensuring CFR compliancy. CFR is a Food and Drug Administration (FDA) issued regulation Title 21 Code of Federal Regulations, Part 11.



DatPass Audit Trail

Data View Features

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



Alarm Features

Alarm level setup with email & SMS notifications. Four alarm levels, allowing for programming of 4 separate parameters, with alarm delay and duration

