

TempTale®4 USB

SENSITECH

Shipment information without proprietary software and hardware

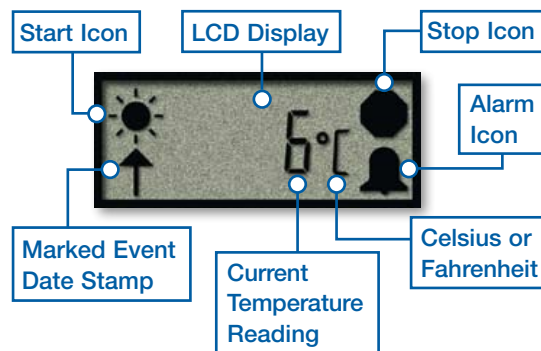
Fast, simple, efficient, and secure cold chain visibility

A large quantity of disparate receiving sites, particularly in the distribution of clinical trial materials and sales representative samples, adds complexity to the shipment disposition process. The administration, setup, and training required to retrieve cold chain data within these elaborate supply chains is often difficult to manage.

The TempTale®4 USB data logger eliminates these problems by combining Sensitech's industry-leading temperature monitoring technology with USB 2.0 PC communications and a powerful on-board microprocessor that enables access to recorded shipment information without a proprietary desktop software application or hardware reader.

Plug in the monitor to your PC's USB port, and the TempTale4 USB monitor will automatically create a cold chain shipment information report in Adobe® PDF format. Viewable using any Adobe compatible reader program, the report provides a complete cold chain trip history, resulting in rapid on-site shipment dispositions. Via email or other file sharing capability, every interested party can instantly and effortlessly review shipment information.

In addition, the TempTale4 USB monitor creates an encrypted data file (.ttx format) compatible with Sensitech's TempTale Manager Desktop (TTMD) PC software and internet-enabled application, ColdStream™ Cold Chain Manager (CCM). The .ttx format data file enables secure data transfer, aggregation, analysis, and storage in support of 21 CFR Part 11 compliance and quality assurance requirements.



TempTale4 USB Specifications

Monitor Recording Options	Single use, internal sensor
Temperature Measurement Range	-22°F to 158°F (-30°C to 70°C)
Temperature Accuracy Range	±2°F from -22°F to 0°F (±1.1°C from -30°C to -18°C) ±1°F from 0°F to 122°F (±0.55°C from -18°C to 50°C) ±2°F from 122°F to 158°F (±1.1°C from 50°C to 70°C)
Temperature Resolution	0.1°F/C over full temperature measurement range
Data Memory Type	Non-volatile 16K EEPROM
Data Storage Capacity	16,000 data points (16K)
Battery Life/Type	1-year run life/3.0v lithium battery
Data Sampling Interval	Programmable from 10 seconds up to a maximum of 2 hours
Water Resistant Housing	NEMA 6 rating (electronic enclosure)
Start-Up Delay	Minimum – 0 seconds Maximum – 194 days
LCD Programmable Options	Display current temperature reading, display temp values in °F or °C, Enable flashing of start, stop and alarm icons
Start Up Options	Manual push button or automatic launch option
Alarm Function	Programmable high and low limits; alarm is triggered when temperature exceeds set limits
Typical Dimensions	3.95" L x 2.18" W x 0.82" H (10.0cm L x 5.5cm W x 2.1cm H)
Weight	2.5 ounces, 71 grams
Quality Assurance Certifications	CE Mark; Calibration Traceable to NIST; RoHS, WEEE
Compatible Software	TempTale Manager Desktop; Adobe Reader
Computer Interface	USB 2.0, A-Type plug



*Adobe PDF
cold chain data
report with password
security protection*

Features and Benefits

- Easy-to-use “plug-n-play” operation
- No proprietary software installed at shipment destination
- Integrated USB connector; no hardware or interface cable required
- Fully independent operation; no PC applications and no retained PC “footprint”
- Automatic generation of Adobe PDF cold chain data report allows prompt on-site decision making
- Automatic generation of encrypted data file enables simple retrieval and email transfer of recorded data to the shipment originator; eliminates the return of the monitor to the originator for data download
- Data file compatibility with Sensitech's software tools permits comprehensive data analysis and record keeping
 - TempTale Manager Desktop – PC-based Windows application for storing, displaying, analyzing, and printing recorded time-and-temperature data
 - ColdStream Cold Chain Manager (CCM) – Web-accessible data management service for centralized storage and retrieval of cold chain logistics information

As the world's leading provider of cold chain visibility solutions, Sensitech enables global leaders in Food and Pharmaceuticals to track and monitor assets across the supply chain to protect the integrity of temperature-sensitive products. Sensitech is an ISO 9001:2000 company and is based in Beverly, Massachusetts, with offices in Amsterdam, Calgary, Melbourne, Mumbai, Redmond, Santiago and Shanghai as well as service and distribution offices around the world. Sensitech is a unit of Farmington, Conn.-based Carrier Corp., the world's largest provider of heating, air conditioning and refrigeration solutions with operations in 172 countries. Carrier Corp. is part of United Technologies Corp. (NYSE:UTX), a Hartford, Conn.-based provider of a broad range of high technology products and support services to the aerospace and building systems industries worldwide. For additional information, please call +1-978-927-7033 or visit www.sensitech.com. © 2008. Sensitech Inc. All Rights Reserved. All trademarks and service marks are the property of Sensitech Inc.