



TempTale® Ultra

Validated, Sleek, USB Temperature Datalogger with Advanced Functionality

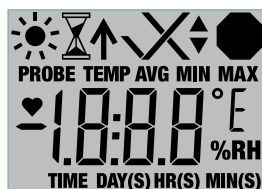
Introducing the TempTale® Ultra datalogger—a sleekly designed, USB temperature monitor that supports up to six temperature alarms, and is fully validated for the mission-critical Life Sciences market. This new monitor from Sensitech Inc. is easy-to-implement and will impress receivers with its intuitive LCD, fast download speeds, and automatic PDF generation without the need for additional software.

The TempTale Ultra datalogger is a thinner and more intuitive monitor than previous models, and is from the trusted, world-class TempTale product line. It supports up to six programmable time and temperature alarms, including Mean Kinetic Temperature (MKT) and duration. The monitor's low thermal mass supports its compliance with USP <1118> response time standards. Moreover, the device does not require labeling per IATA's Dangerous Goods Regulations.

Receiver quality departments can be confident knowing that the TempTale Ultra datalogger automatically generates a secure PDF or a PDF/A, as well as an encrypted TTV data file when plugged into a USB port. The files can then be easily uploaded and archived in ColdStream® Select, built to comply with FDA 21 CFR Part 11 and EC Annex 11.

Key TempTale Ultra Features

- Thin 12.5mm housing—easily slips into standard packaging
- Large LCD screen with clear indication of alarm status and trip visibility
- Up to six programmable alarms, including MKT and Trip Duration
- Single or Multiple Use recording options
- Increased download performance—up to 5X faster download speeds
- USB interface enables direct download to software
- PDF configurable reports capable of supporting local time zones and five languages for receiving sites
- Shipment details can be written to the device and subsequently displayed on the PDF
- Option to Write Protect USB flash drive for virus protection



TempTale® Ultra Specifications	
Monitoring Recording Options	Single Use, Single-Use with User Programmable Overwrite, or Multiple Use
Temperature Measurement Range	-30°C to + 70°C
Temperature Accuracy Range	± 0.5°C from -10°C to 45°C; ± 1.0°C from 45°C to 70°C; ± 1.0°C from -30°C to -10°C
Temperature Resolution	0.1°C/F over full temperature measurement range
Data Memory Type	Non-volatile 16K Flash memory
Data Storage Capacity	16,000 data points (16K)
Battery Life / Type	12 months operating life / 3.0v coin cell lithium battery – non-replaceable; Multi-Use: Two (2) 3.6v coin cell lithium batteries
Data Sampling Interval	Programmable from 30 seconds up to a maximum of 120 minutes
Water Resistant Housing	IP64 (with protective cap over USB connector)
Start Up Delay	0 minutes to 24 hours
Programmable Alarms	Programmable high and low limits -> alarm is triggered when temperature exceeds set limits; Up to six alarm types (single temperature limit, temperature range, dual temperature range, MKT, duration)
Alarm Delay Time Thresholds	Single event (continuous) or cumulative
LCD Indicators	Started, start-up delay, running, stopped; Alarm status: OK (✓), Alarmed (✗); Trip summary data (average, minimum, maximum); Current temperature reading; Time remaining / time elapsed against alarm-time thresholds; Marked event
Start Up Options	Manual push button or automatic launch option
Dimensions	108mm L x 50.2mm W x 12.5mm H; Multi-Use: 108mm L x 50.2mm W x 15.2mm H
Weight	51g (1.8 oz); Multi-Use: 65g (2.3 oz.)
Quality Assurance Certifications	CE, UKCA, RTCA – D0160G compliant, RoHS compliant, Response time tested to U.S. Pharmacopeia (USP) <1118> and EN 12830 standards; 3-point NIST® Traceable Certificate of Calibration; Validation Manual
Minimum System Requirements	Windows® PC w/ Windows® 7 or higher; Adobe® Reader 9.0 or higher
Data Analysis and Cold Chain Continuous Improvement Software	TempTale Manager® Desktop 8.0 or higher; ColdStream® Select
Computer Interface	USB 2.0, A-type plug
Ship air, ground, ocean in accordance with –	IATA Dangerous Goods Regulations; UN 3091, Packing Instruction 970 Section II – Excepted Lithium Metal and Lithium Alloy Cells and Batteries; U.S. Department of Transportation Lithium Battery Hazardous Material Regulations 49 CFR Parts 171-180; International Maritime Dangerous Goods Regulations, Packing Instruction 903

Sensitech has performed all necessary testing and can provide documentation supporting our compliance at your request.

TempTale Manager® Desktop Software 8.0 Software

TempTale Manager® Desktop (TTMD) software is a robust, multi-lingual, Windows-based software application that is used for configuring, downloading, displaying, reporting and archiving time and temperature data collected from TempTale temperature monitors. The power of TTMD software lies in its intuitive user interface that allows users to effortlessly retrieve, display and analyze trip data in order to make high-quality shipment disposition decisions, and ensure that Standard Operating Procedures (SOPs) are delivering acceptable results. TTMD's language support and powerful data export options enhance the user's ability to share data globally with remote locations and business partners.

ColdStream® Select

ColdStream® Select is an end-to-end global risk mitigation cloud solution for the Life Sciences industry, protecting validated data for in-transit product release decisions critical to product integrity and patient safety. It enables users and partners to view, store, retrieve and analyze critical data quickly and efficiently. ColdStream Select is built to comply with FDA 21 CFR Part 11, EC Annex 11, and cGxP and provides centralized storage for time and temperature records in a secure repository. This cloud application can be used as the "system-of-record" with full traceability and will speed product release decisions with exception excursion management. Be audit ready with improved compliance, simplify data management with more automation and utilize system-to-system integration for greater efficiency. Reporting, dashboards and analytical services help inform continuous improvement and cost reduction—delivered with support from a dedicated Sensitech's Professional Services team member.

Sensitech Inc. is a global leader in delivering supply chain visibility solutions. Our innovative monitoring products and services help to maintain the quality and integrity of our customers' valuable products at every step in their journey, all around the world. For 30 years, leading companies in the food, pharmaceutical, industrial, consumer goods and other industries have relied on Sensitech to help protect their products—and EO: sales@eofirm.com | www.eofirm.com | 0755-84200058

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