



TempTale®4 USB

Shipment information without proprietary software and hardware

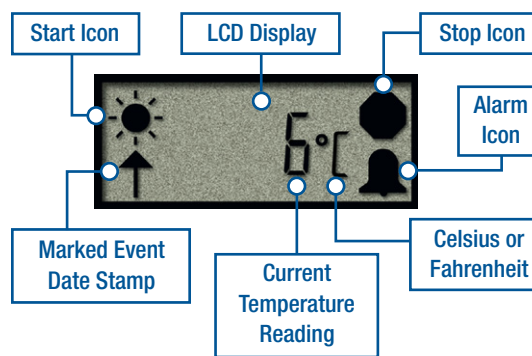
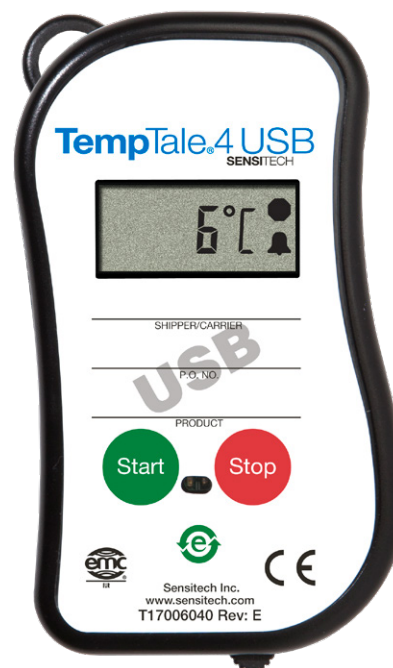
Fast, simple, efficient, and secure cold chain visibility

The integrity of the supply chain for time and temperature-sensitive (TATS) materials in the industrial chemicals market is dependent on a broad range of factors including temperature extremes; sensitivities to cold and heat. Because of the complex handoffs within the distribution and storage segments, many industrial chemical materials are vulnerable to temperature fluctuations—including TATS products.

Good Cold Chain Management Practices (GCCMP) provide additional emphasis on quality in the industrial chemicals market because they ensure TATS materials have not been temperature abused or experienced product degradation. The TempTale®4 USB datalogger 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.

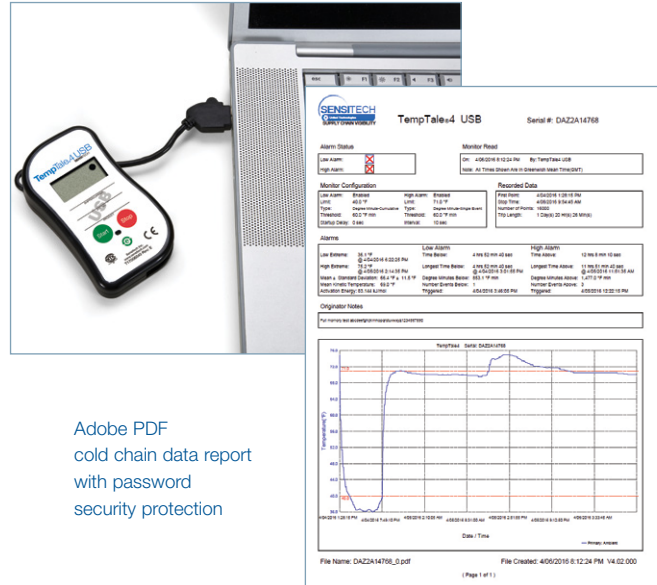
Plug in the monitor to your PC's USB port, and the TempTale4 USB monitor will automatically create a cold chain shipment information report in Adobe® PDF format. Viewable using any Adobe compatible reader program, the report provides a complete cold chain trip history, resulting in rapid on-site shipment 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 (.txt format) compatible with Sensitech's TempTale Manager® Desktop (TTMD) PC software and Internet application, ColdStream® Cold Chain Manager (CCM). The .txt format data file enables secure data transfer, aggregation, analysis, and storage in support of compliance and quality assurance requirements.



TempTale[®]4 USB

| TempTale4 USB Specifications | |
|---|--|
| Monitor Recording Options | Single use, internal sensor |
| Temperature Measurement Range | -30°C to 70°C (-22°F to 158°F) |
| Temperature Accuracy Range | ±1.1°C from -30°C to -18°C (±2.0°F from -22°F to 0°F) ±0.55°C from -18°C to 50°C (±1.0°F from 0°F to 122°F) ±1.1°C from 50°C to 70°C (±2.0°F from 122°F to 158°F) |
| Temperature Resolution | 0.1°C/F over full temperature measurement range |
| Memory Type | Non-volatile 16K EEPROM |
| Storage Capacity | 16,000 data points |
| Battery Life/Type | 1-year run life/3.6V 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 °C or °F, Enable flashing of start, stop and alarm icons |
| Start Up Options | Manual push button or automatic launch |
| Alarm Function | Programmable high and low limits; alarm is triggered when temperature exceeds set limits |
| Typical Dimensions | 10.0cm L x 5.5cm W x 2.1cm H (3.95" L x 2.18" W x 0.82" H) |
| Weight | 71 grams (2.5 ounces) |
| Testing | Calibrated at 3 set points to NIST [®] traceable standards |
| Quality Assurance Certifications | CE; Validation Package; RoHS, WEEE |
| Software/PC Interface | TempTale Manager [®] Desktop or ColdStream [™] Cold Chain Manager Software; Adobe Reader |
| PC Interface | USB 2.0, A-Type plug |



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

Sensitech Inc. is focused on delivering supply chain visibility solutions that track, monitor and protect products for global leaders in the food, life sciences, consumer goods, and industrial markets. Our solutions are focused in three key areas: quality and compliance, supply chain security, and logistics performance management. Quality and compliance solutions address temperature-sensitive, complex supply chains focused on delivering the highest quality possible, while our supply chain security solutions help to mitigate risks associated with theft, diversion and chain of custody. Sensitech’s logistics performance solutions deliver origin-to-destination, real-time transparency to any in-transit journey. Sensitech Inc. is an ISO 9001:2008 company, headquartered in Beverly, Mass., with more than 35 sales, service and distribution locations around the world. Sensitech is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. Visit www.sensitech.com for additional information. © 2018 Sensitech Inc. All Rights Reserved. Unless otherwise indicated, all trademarks and service marks are the property of Sensitech Inc. Adobe is a registered trademark of Adobe Systems Incorporated in the United States and/or other countries. NIST is a registered trademark of The National Institute of Standards and Technology Agency of the United States Government. Microsoft, Windows, Windows XP, Windows Vista, and Internet Explorer are registered trademarks of Microsoft Corporation in the United States and other countries.