



# TempTale® Direct

## TempTale® Direct Temperature Monitor

Easy-to-use and cost-effective, the newest USB solution from Sensitech is ideal for export shipments where software support is unknown at the receiving end. It's now easier than ever to monitor the condition of perishable food during distribution, storage, and handling without a concern for end-of-trip downloading.

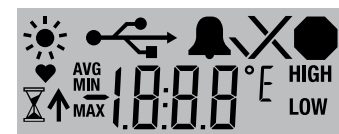
The TempTale® Direct monitor offers a sleek, thin design that plugs directly into any A-type USB port. The direct connection allows for fully independent operation regardless of where the journey ends. Once plugged into a computer, two files are automatically generated: an encrypted data file and an Adobe® PDF file, without the need for any additional software or hardware reader. All files are secure and protected from any potential alteration or tampering of shipment data. The TempTale Direct monitor offers peace of mind knowing that the recorded data is original and tamper-proof, while providing a true picture of the shipment's time and temperature trip history. Files can easily be shared among receivers for accurate and quick disposition decision making.

Product quality, increased shelf-life, food safety and regulatory compliance are all driving factors when monitoring temperature-sensitive food products throughout the supply chain. The TempTale Direct monitor is easily adopted into the supply chain and meets the cost-effective goals most businesses look to achieve.

The TempTale Direct monitor can be programmed with two alarms: high and low temperature; alarm status can be clearly viewed on the LCD display. This single-use datalogger can record up to 8,000 data points and monitor shipments for up to 180 days.

### Features and Benefits

- Integrated USB interface supports a direct connection to any computer or supported printer for automatic plug-and-play; no software is required for data retrieval.
- Secure and easy download of unalterable PDF report allows for quick and accurate on-site shipment decisions.
- Rapid download of encrypted data files for trip review and analysis.
- Water resistant and safe for incidental food contact.
- Fully-functional, easy-to-read LCD screen for visual interrogation.
- 100% traceable to NIST® standards assures data accuracy.
- Meets DO-160G standard for air transport.
- Data file compatibility with Sensitech's software tools for comprehensive data analysis and secure record keeping.



TempTale® Direct Specifications	
<b>Monitor Recording Options</b>	Single use
<b>Temperature Measurement Range</b>	-30°C to +70°C (-22°F to +158°F)
<b>Temperature Accuracy Range</b>	±0.5°C from -10°C to 30°C (±0.9°F from 14°F to +86°F) ±1.0°C from -30°C to -10°C (±1.8°F from -22°F to +14°F) ±1.0°C from 30°C to 70°C (±1.8°F from 86°F to +158°F)
<b>Temperature Resolution</b>	0.1° C/F over full Temperature Measurement Range
<b>Data Memory Type</b>	Non-volatile flash memory
<b>Data Storage Capacity</b>	8,000 data points
<b>Battery Life/Type</b>	6 months operating life/3.0V lithium battery—non-replaceable
<b>Data Sampling Interval</b>	Programmable from 30 seconds up to a maximum of 30 minutes
<b>Housing</b>	Water resistant (IP 64 with protective cap) Safe for incidental food contact
<b>Optional Start-Up Delay</b>	0 seconds to 24 hours
<b>LCD Indicators</b>	Running/stopped OK (✓) and Alarm (✗) status Trip summary data (average, minimum, maximum) Current recorded temperature Marked event
<b>Start Up Options</b>	Manual push button or automatic launch option
<b>Alarm Function</b>	Programmable high and low limits; alarm is triggered when temperature exceeds set limits
<b>Typical Dimensions</b>	97.8mm x 49.5mm x 17.8mm 3.85" x 1.95" x 0.70"
<b>Weight</b>	48.2 grams / 1.7 ounces
<b>Certifications and Industry Standards</b>	ISO, CE, EN12830, DO-160G, NIST®
<b>Minimum System Requirements</b>	Windows® PC w/ Windows® 7 or higher Adobe® Reader® 9.0 or higher
<b>Data Analysis Software</b>	TempTale Manager® Desktop 7.4 or higher ColdStream® Data Management 1.8 or higher TripStrip® II Remote Printer version 2.2
<b>Computer Interface</b>	USB 2.0, A-Type plug

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](http://www.sensitech.com) for additional information. © 2017 Sensitech Inc. All Rights Reserved. Unless otherwise indicated, all trademarks and service marks are the property of Sensitech Inc. NIST is a registered trademark of The National Institute of Standards and Technology Agency of the United States Government. Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Adobe and Adobe Reader are registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.