



# TempTale® Direct

SENSITECH

## 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 & 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 ( <i>IP 64 with protective cap</i> ) 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 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
<b>Computer Interface</b>	USB 2.0, A-Type plug

Sensitech Inc. is a leading provider of supply and cold chain visibility solutions that enable our customers – global leaders in the food, life sciences, and industrial markets – to track, monitor and protect the quality and integrity of their temperature-sensitive products across complex supply chains. Through its logistics security division, FreightWatch International, Sensitech also offers origin-to-destination services that provide customers with real-time cargo transparency, helping them to mitigate such risks as theft, diversion, counterfeiting, and chain of custody. Sensitech Inc. is an ISO 9001:2008 company based in Beverly, Mass., with more than 36 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. © 2016. 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.