

# TempTale® Ultra

## TempTale® Ultra Probe Monitor

### TempTale® Ultra monitor with detachable probe for monitoring shipments, freezers and refrigerators without opening the carton or doors

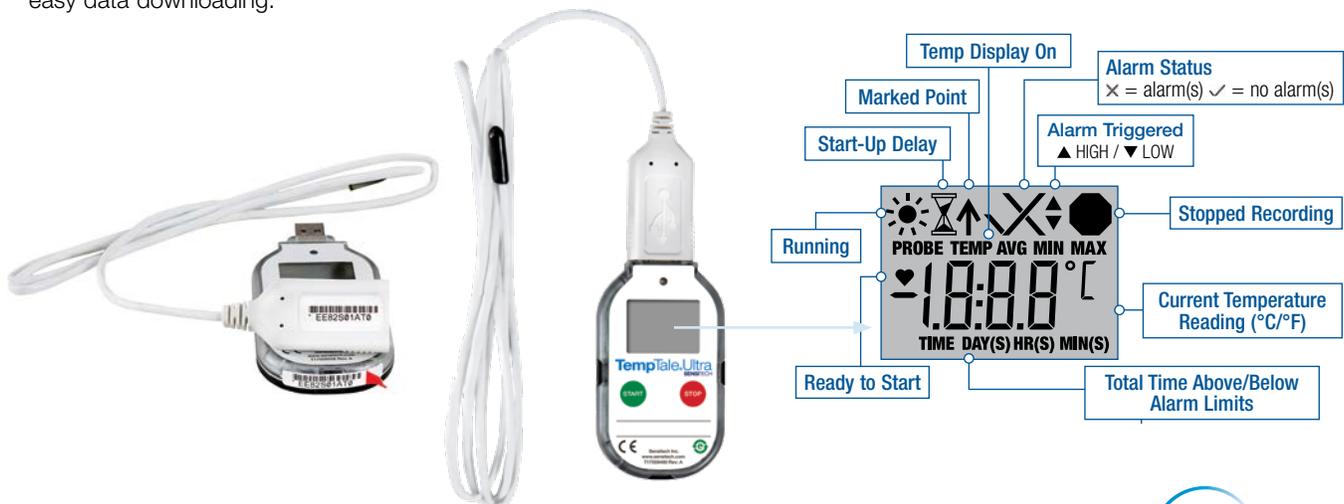
The TempTale® Ultra Probe monitor is an ideal solution for monitoring in-transit and ambient storage temperatures for Life Sciences products between  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  to maintain stability. The detachable probe is 1.5 meters in length, perfect for monitoring temperature close to the product inside shippers or refrigerators. The TempTale Ultra Probe monitor allows supply-chain partners such as customs agents, third-party logistics (3PL) providers, distributors, and hospitals to disconnect/reconnect the probe in order to assess temperature data and alarm status without opening the carton or refrigerator.

The TempTale Ultra Probe monitor allows the temperature probe to remain undisturbed throughout the entire journey. For shipping lanes involving customs agents, this is a must-have requirement (i.e., Saudi Arabia FDA Regulations). The detachable probe enables receivers to read the LCD status immediately, thereby expediting decisions at the dock. The TempTale Ultra Probe monitor is available in Single Use, Single Use Overwrite, and Multi Use recording options.

### Features and Benefits

- External ambient probe allows customers to record temperatures inside packaging or fridges and view key temperature indicators on the monitor's LCD outside of the package without opening the container.
- Temperature monitoring remains more stable now that the probe can remain next to the product inside the shipper, while the actual USB monitor remains on the outside for easy data downloading.

- Direct USB connection to PC—no proprietary reader or USB adapter needed to access data stored on monitor.
- PDF options are configurable: selectable time zones and languages enhance usability at international receiving sites.
- Matching serial numbers on core device and probe prevent handling errors.



TempTale Ultra Probe Specifications	
<b>Monitoring Recording Options</b>	Single Use, Single-Use with User Programmable Overwrite, or Multiple Use
<b>Probe Temperature Measurement Range</b>	-30°C to +70°C
<b>Probe Sensor Accuracy Range</b>	± 0.5°C from -10°C to +45°C ± 1.0°C from -30°C to -10°C ± 1.0°C from +45°C to +70°C
<b>Monitor Operating Range</b>	-30°C to +70°C
<b>Temperature Resolution</b>	0.1°C over full temperature measurement range
<b>Data Memory Type</b>	Non-volatile 16K Flash memory
<b>Data Storage Capacity</b>	16,000 data points (16K)
<b>Battery Life / Type</b>	12 months operating life / 3.6v lithium battery
<b>Data Sampling Interval</b>	Programmable from 30 seconds up to a maximum of 120 minutes
<b>Water Resistant Housing</b>	IP64 (with detachable probe connected to monitor)
<b>Start Up Delay</b>	0 minutes to 24 hours
<b>Programmable Alarms</b>	<ul style="list-style-type: none"> <li>• High and low limits – alarm is triggered when temperature exceeds set limits;</li> <li>• Multi Alarm – up to six: single temperature limit, temperature range, dual temperature range, MKT, duration</li> </ul>
<b>Alarm Delay Time Thresholds</b>	Single event (continuous) or cumulative
<b>LCD Indicators</b>	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; PROBE; Flashing X when probe disconnects from monitor cable
<b>Cable Length Options</b>	1.5m
<b>Outer diameter of cable (typical)</b>	3.5mm
<b>Start Up Options</b>	Manual push button or automatic launch option
<b>Weight</b>	90.7 grams (includes monitor with 1.5m probe)
<b>Quality Assurance Certifications</b>	CE, EN/12830, RTCA – DO160G; 3-point NIST® traceable Certificate of Calibration
<b>Minimum System Requirements</b>	Windows® PC w/ Windows® 7 Pro (64-bit) or higher; Adobe® Reader 9.0 or higher
<b>Data Analysis and Cold Chain Continuous Improvement Software</b>	TempTale Manager® Desktop 8.0 or higher; ColdStream® Cold Chain Manager 1.8B or higher; ColdStream® Web 1.3.1
<b>Computer Interface</b>	USB 2.0, A-type plug

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

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