



**USER MANUAL**  
**For**  
**TEMPTALE ULTRA BLE**

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**REVISION HISTORY:**

<b>REV</b>	<b>DESCRIPTION</b>	<b>DWN</b>	<b>APVD</b>	<b>DATE</b>
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# 1. Introduction

## 1.1. Purpose

This document describes the usage of a TEMPTALE ULTRA BLE device.

## 1.2. Scope

The intended audience is a valued customer.

## 1.3. Description

The TEMPTALE ULTRA BLE is a BLE enabled sensor data logger designed for the transportation industry. It is primarily intended to be used to record and store accurate temperature data as well as transmit the data to a Bluetooth enabled smart phone or tablet device via a mobile application. The device also supports secondary legacy download mechanism as well utilizing a USB file system to auto generate a PDF when plugged into a computer.

The following is a brief summary of its features:

1. BLE 5.1 Enabled
2. Internal battery
3. Temperature Sensor
4. USB for secondary download
5. LCD Display
6. User Interface

### Manufacturer Information

Company Name: SENSITECH Inc.

Address: 800 Cummings Center, Beverly, MA USA

### Importer Information

Company Name: XXXXXXXXXXXX

Address: XXXXXXXXXXXXXXXX

## 1.4. Radio Frequency Characteristics

### 1.4.1. Operating Frequencies

2.4GHZ

## 1.5. Output Power Characteristics

### 1.5.1. Output Power

0 dbm

## **2. Physical Appearance**

### **2.1. User Interface**

The user interface consists of the following:

1. Three LEDs (red, green, blue)
2. Two buttons(Start/Stop)
3. One LCD Display

#### **2.1.1. LEDs**

The LEDs are intended to allow quick and easy-to-read status to be conveyed to the end user. The user can immediately know the status of the unit during startup and operation.

##### **2.1.1.1. System Startup Sequence**

During startup, and If configured the Green LED blinks at 1hz for 4 secs.

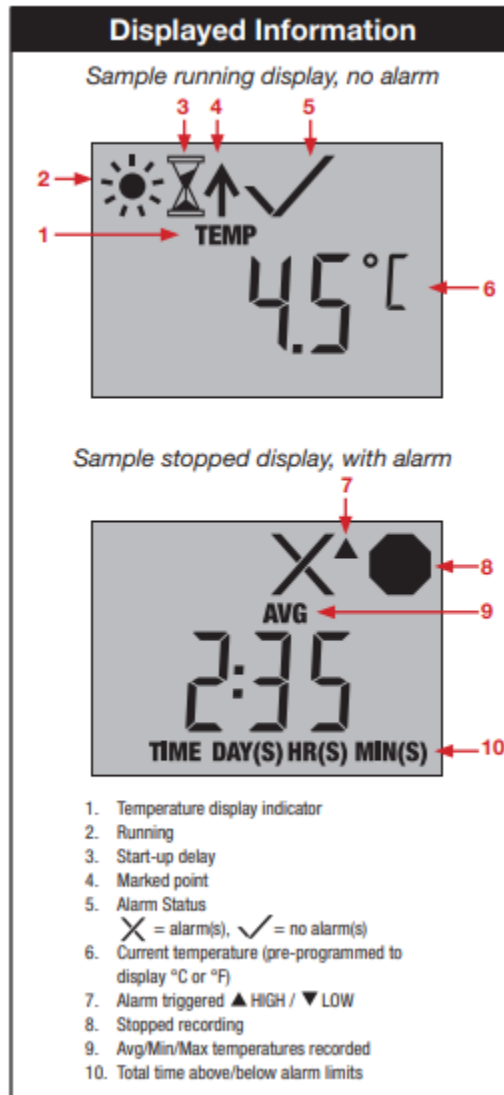
#### **2.1.2. Buttons**

There are two buttons on the device:

1. Start – a configurable press delay is added, usually configured to be held for three second before it starts.
2. Stop– a configurable press delay is added usually configured to be held for three seconds before it stops.

### 2.1.3. LCD

There is a LCD on the device:



During Startup, if there is a hardware failure found during the self-test, a X will display on the LCD and the Stop sign will appear.

### **3. Using the Device**

#### **3.1. Starting the device:**

To start the device, press the START button. If the Start Key feature is enabled, the START button must be held down for 3 seconds. The device may only be started from sleep mode.

#### **3.2. Stopping the device:**








There are 2 methods for stopping the device.

1. To stop the device, press the STOP button. If the Stop Key feature is enabled, the STOP button must be held down for 3 seconds to stop.
2. In enabled, Plug the Monitor into a USB port on a computer or printer.

### **4. Software**

This unit reports data over a BLE connection via mobile app. This data is accessible via several web-based platforms that target various industries. Please contact customer support for more information.

## 5. Disclaimers

	RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS
	Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion
	Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas
	A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
	Do not dispose battery along with household waste.
	There are no user serviceable parts inside, battery cannot be replaced by the end user, and will result in damaging the device.
	To comply with FCC/IC RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

### 5.1. FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the device.
2. Increase the separation between the equipment and device.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.



### **5.1.1 FCC Radiation Exposure Statement**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC and Canada radiation exposure limits set forth for an uncontrolled environment.

## **5.2. IC**

This device complies with Industry Canada RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicable aux appareils radio Exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### **5.2.1. IC Radiation Exposure Statement**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet émetteur ne doit pas être installé au même endroit ni utilisé avec une autre antenne ou un autre émetteur.

This equipment complies with FCC and Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux radiations définies par le Canada pour des environnements non contrôlés.

## **5.3. CE**

The full text of the EU declaration of conformity is available upon request.