

# ELSA-BT01 BLE 5.0 Temperature Sensor

## Features

- Bluetooth Low Energy (BLE) 5.0 long range transmission up to 70 meters (open field)
- Battery life cycle up to 3 years
- Compact design with IP67 waterproof casing
- Temperature, expiry date and internal battery capacity monitoring
- LED indicators for alarms and the status of the device
- Time stamp is included in the message for expiry date management
- Easy operation: simply buckle/unbuckle to switch between operation and idle mode
- Support remote configuration: temperature thresholds, expiry date and the parameters for sensor calibration

## Introduction

ANTZER TECH'S ELSA-BT01 is a smart temperature sensor equipped with BLE5.0 for long range transmission and ultra-low power consumption. The device is powered by a coin battery that can last up to 3 years. It is easy-to-use, the device starts monitoring ambient temperature and item expiry date right after the strap is buckled into the device. Metadata is assessed in real-time manner for further monitoring (web-based APP). With excellent end-to-end traceability, real-time alert notification and waterproof casing, ANTZER TECH'S ELSA-BT01 is widely used in food control, cold chain logistics, freezers and storage management.

## Specifications

<b>Bluetooth</b>	2.4 GHz, Bluetooth 5.0 -103 dBm sensitivity in 125Kbps BLE mode (long range)
<b>Battery</b>	Lifecycle up to 3 years
<b>Operating Temperature</b>	-30°C ~ 80°C
<b>Accuracy</b>	± 0.5°C
<b>Transmission Range</b>	Up to 70 meters (open field)
<b>Transmission Period</b>	3 seconds by default (programmable)
<b>LED Indicators</b>	RED for alarms; GREEN for the status of device
<b>Ingress Protection Rating</b>	IP67
<b>Dimensions (L*W*H)</b>	50mm * 35mm * 15mm
<b>Certification</b>	NCC, CE, FCC Class B

## Ordering Information

Model Name	Description
ELST-BT01	BLE 5.0 temperature sensor with internal battery

