

# 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 2 years
- Compact design with IP67 waterproof casing
- Temperature 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 insert or remove the buckle to turn the device ON/OFF
- Support remote configuration: temperature thresholds, expiry date and the parameters for sensor calibration

## Introduction

ANTZER TECH's ELSA-BT01 temperature sensor uses BLE 5.0 technology that supports long range transmission. The coin battery in the device can last up to 2 years. Just insert the buckle into the device and it will be turned on. The device will be turned off and start sending heartbeats after the buckle is removed. Time stamp is included in the message sent by the device, which makes ELSA-BT01 an easy-to-use solution for temperature monitoring and expiry date management. With excellent performance and waterproof casing, it can be widely used in food ingredient management, 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 2 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
ELSA-BT01-W1	BLE 5.0 temperature sensor with internal battery

