



69mm x 46mm x 18mm  
1 Year Warranty

## BTBSE BLE SENSOR TAG

The BTBSE BLE Condition Monitoring Sensor is a compact Bluetooth Low Energy (BLE) device designed to monitor environmental and operational conditions of equipment in real time. It's commonly used in industrial settings and has an all-in-one sensor that contains a temperature sensor, hall effect sensor, and accelerometer sensor. With wireless data transmission and long battery life, it enables continuous monitoring without complex wiring or frequent servicing.

**Built for reliability in demanding environments, the sensor supports configurable parameters and seamless integration into IoT systems. Its robust design allows it to function in various industries such as manufacturing, logistics, and facility management, where consistent condition tracking is critical for safety and efficiency.**

- Replaceable CR2477 coin battery 1000mAh, up to 4 years of use
- Rotating housing for easy battery replacement
- Reliable asset visibility using Bluetooth® Low Energy technology
- Available to integrate temperature, humidity, and barometric sensors
- IP 67 waterproof design
- nRF52 series chipset and BLE 5.0 technology
- Versatile mounting options for attaching to assets
- Built-in 3-axis accelerometer and hall-effect sensor

### Technical Specs

<b>Connectivity</b>	BLE 5.1
<b>Color</b>	Grey
<b>IP Rating</b>	IP67
<b>Sensor:</b>	Temperature & Humidity sensor Hall effect sensor Accelerometer sensor Barometric pressure sensor
<b>Battery capacity</b>	1000mAh   Replaceable battery
<b>Battery lifespan*:</b>	Up to 5 years - 5s reporting
<b>Operating temperature:</b>	-20°C/60°C (Can be extended to -40°C~85°C)
<b>Transmission range:</b>	Up to 150m/490 feet <i>(without any obstacles)</i>
<b>Installation:</b>	Sticker/Screw/Zip Tie
<b>Certification:</b>	FCC   CE   RoHS   WEEE

\*\*\*To activate the BLE tag, rub a magnet across the LED side. Once the tag illuminates, activation is complete.

### Note:

It is important to note that BTBSE BLE sensor tags is exclusively compatible with BeWhere's BeSol+ and BeWired+ which functions as a gateway device for data transmission. This creates a connected network of devices that supports efficient asset monitoring, improved visibility, and streamlined operations.

### Temperature & Humidity Sensor

<b>Accuracy tolerance</b>	±0.2°C(condition: 0°C - 60°C) ±2% RH(condition: 20% - 80% RH)
<b>Resolution</b>	0.1°C   0.1% RH
<b>Operating temperature</b>	-40°C - 125°C   0 - 100 %RH
<b>History storage</b>	50000 records

### Barometric Pressure Sensor

<b>Pressure measurement range</b>	30kPa - 125kPa
<b>Relative pressure accuracy</b>	±6Pa

