

Bluetooth Sensor

Datalogger-Temperature

Model: B-TEMP1

Key Benefits

Long Battery Autonomy — Achieves a theoretical lifespan of 18 years

Designed for ultra-low-power operation to ensure long-term, maintenance-free use.

IP68 Waterproof with POM-C Housing

Durable, industrial-grade enclosure offering strong environmental protection.

Long Communication Range — Up to 500m in ideal open environment

In open-field line-of-sight (LoS) conditions, the Bluetooth link can reach several hundred meters in theory.

Configurable Device Performance Settings

Flexible parameters for sampling rate, BLE advertising interval, and more.

Specialized Configuration Software — Easy Setup, Control & Monitoring

Intuitive tool for adjusting device settings and monitoring real-time data.

Over-the-Air (OTA) Firmware Updates

Update devices remotely without physical access.



Technical Specifications

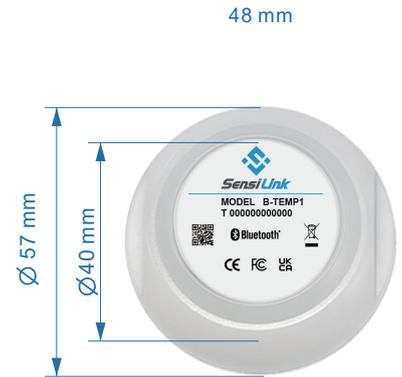
Bluetooth & Sensor

Bluetooth

Frequency	2.4GHz by Bluetooth Low Energy (BLE) 4.2
Operating Range	Up to 500m in ideal open environment
Output Power	Configurable -40dB ~ +4dB
Sensitivity	-96 dBm (1 Mbps)
BLE Advertising Period	Default Mode: Configurable from 20ms to 10240ms Alarm Mode: Configurable from 10ms to 180000ms

Sensor

Temperature Range	-40 ~ 85°C
Temperature Resolution	0.0625°C
Temperature Accuracy	±0.5°C @ -30°C to +30°C ±1°C @ -40°C to -30°C or +30°C to 85°C



Battery Information

Power supply	3VDC- Lithium battery
Suppose Battery Life	Up to 10+years with specific operating data setting and ideal condition

Configure Software

SensiLink Configuration Tool	Sensors can be easily customized through a dedicated, user-friendly software tool. Users can adjust parameters like device name, Bluetooth Tx power, sensor sampling time and alarm mode, as well as monitor data in real time for better device management. Available in Windows and Android Platform.
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Product Housing Specifications

Weight	45g
Waterproofness	IP68
Dimensions	Base: Ø57mm Top: Ø40mm Thickness: 19mm
Operating Temperature Range	-40°C ~ 85°C
Material	Food-grade POM-C (Polyoxymethylene Copolymer)

Technical Specifications

Attachments

Device Holder

Provide various installation methods: when the sensor is mounted with the holder, it can be attached to a supporting surface using double-sided adhesive, secured with screws, or fastened with a nylon tie through the dedicated slot and hung on surfaces such as tubes.

