

TempMonitor BLE

The TempMonitor BLE is a wireless storage logger with an internal temperature sensor and support for up to two probes. It communicates and transmits data to TSS Cloud via TSS Gateway or the TSS Mobile app.

Key Features

- Automatically records data and uploads it to TSS Cloud for continuous monitoring, supporting GxP compliant product releases.
- Integrated with Facility application for site specific control and configurable user access rights.
- Records up to 50,000 data points and monitors drugs across a range of -200 °C to 80 °C using its supported digital probes.
- Logs and stores data even when a wireless connection to the gateway is temporarily unavailable.
- The LCD display indicates the current status, and has an intuitive user interface for simple navigation.
- Buttons are available to initiate logging, toggle temperature readings and mute the buzzer.
- The probes are designed to avoid unintentional disconnect.



Live, wireless data feed

TSS Gateway collects, processes, and delivers data, in-real-time, from all TSS Bluetooth loggers, ensuring data integrity and securing connectivity via either Ethernet, Wi-Fi or a cellular network to TSS Cloud. It provides a powerful and cost-effective edge network solution for large-scale and sustainable setups.

Visibility. Anytime, anywhere

Access live temperature data from TempMonitor BLE and TSS Gateway via the TSS Facility application, which automatically provides a geographical overview showing the current status for each logger and site. In case of events, notifications are sent via email or SMS. Electronic signatures allows for acknowledging events and a full audit trail.

TEMPMONITOR BLE FEATURES

Type	Bluetooth 5 Temperature Data Logger
Operating Range	-20 °C to +50 °C (internal sensor), -200 °C to +80 °C (probe)
Temperature Accuracy	± 0,5 °C
Memory Capacity	50,000 Data Points
Temperature Resolution	0.0125 °C
Compliance	RoHs, CE, FCC, DO-160G
Calibration	Each unit is delivered with a calibration certificate from an accredited ISO-17025 laboratory
Battery	3 x AAA Alkaline 1.5V (removable)
Temperature Alarms	Total of 10 individual configurable high/low alarms with 6 different alarm types
Other Alarms/Events	Calibration Expiry, Battery, Probe Disconnect, Low Memory
Audible Alarm/Events	Yes
Buttons	Start, Toggle Temperature, Mute
Sample Rate	1 min to 18 hours
Start Delay	0 min to 30 days
IP Classification	IP44
Security	Highly secure, utilizing BLE 5.0 encryption
Weight	Approx. 118 g
Measurement	Approx. 100 mm x 80 mm x 30 mm
Housing	Blistered rugged plastic
Traceability	Unique 16-character ID number that allows for absolute traceability