TempTracer BLE

The TempTracer BLE is a single use, wireless shipment data logger for GxP compliant product releases. It communicates and transmits data to TSS Cloud via TSS Gateway or the TSS Mobile app, geographically visualized in the TSS GeoTrack application.

Key Features

- Records up to 50,000 data points, with an operating range of - 30°C to 70°C.
- Data is instantly uploaded to TSS Cloud via TSS Gateway or the TSS Mobile app.
- Suitable for all modes of transport — air, road and sea freight.
- It enables using a standard wireless communication with emission levels low enough not to require a flight detection mechanism when used on aircraft.
- Milestone-based real-time visibility for mission possible.
- Designed for sustainability with reusable parts.
- LED indicators provide a simpler, faster way to check logger status.
- Take the effort out of compliance with complete shipment records.

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 TSS Bluetooth loggers via TSS Cloud or TSS App.
Simply scan the barcode for automatic connection and readout of temperature data, or connect to selected loggers and upload recorded data to TSS Cloud.

TEMPTRACER BLE FEATURES	
Type	Bluetooth 5 Temperature Data Logger
Operating Range	-30°C to + 70°C
Temperature Accuracy	± 0.5°C
Temperature Resolution	0.0125°C
Compliance	RoHs, CE, FCC, DO-160G
Calibration	Each unit is delivered with calibration certificate with traceability to the Swedish National Laboratories for electrical quantities and temperature.
Battery	Lithium metal button cell battery, exempt from DGR (no restriction on number of units shipped on aircraft). Lifetime 1 year.
Recording options	Single
Programmable Temperature Alarms	Total of 10 individual configurable high/low alarms with 6 different alarm types.
Sample Rate	1 min to 18 hours
Start Delay	0 min to 30 days
IP Classification	IP65
Security	Highly secure, utilizing BLE 5.0 encryption.
Weight	Approx. 15 g
Measurement	Approx. 85 mm x 52 mm x 10 mm
Housing	Blister packaging
Traceability	Unique 16-character ID number that allows for absolute traceability.