

PRODUCT SPECIFICATIONS

Blyott Standard Sensor BT-T1

Start monitoring and locating your assets now

Look no further in your search for one of the most versatile Blyott sensors out there. The BT-T1 sensor is a BLE V5.0 compliant module with secure, custom firmware and a waterproof, easy-to-clean casing.

The BT-T1 helps you keep track of your (mobile) assets and is designed to fulfill all requirements for:

Asset tracking, logistics, item management, and predictive maintenance use cases.

With optimized and ultra-low power consumption, the BT-T1 guarantees an extremely long battery life. A high precision accelerometer sensor permits detection of any movements, vibrations, shocks or specific falls.

The built-in push button can be programmed via the Blyott platform according to your needs and use cases. For instance, pressing the button can notify staff that a room needs cleaning.

The temperature sensor further enhances the overall functionalities to allow for real-time temperature monitoring, including the support for monitoring cold chain applications. Finally, a secure operational mode is included and based on an AES-128 crypto algorithm.



Activate your sensor

- 1 Click on the sensor.
- 2 The green and red LEDs will (long) flash 5 times.
- 3 Your sensor is now activated.

Check if activated

- 1 Short click on the sensor.
- 2 The green and red LEDs will (short) flash 3 times.
- 3 Sensor already activated.

[TURN THE PAGE TO VIEW ALL SPECIFICATIONS.](#) →

All specifications BT-T1

General

Battery reference	CR2032 - 3 volts lithium battery
Battery lifetime	Up to 5 years depending on the tag configuration and usage
Broadcasting range	Up to 15 m / 590.55" (-5 dBm; RSSI @ 12 m / 472.44" = -100 dBm)
Location accuracy	Depends on the available Wi-Fi and Bluetooth ⁽¹⁾ infrastructure
Sensors	Accelerometer and temperature sensor with an accuracy of 0.8°C / 33°F
Switch	Functionality customizable via the Blyott Remote Insights Platform

⁽¹⁾The Blyott solution is compatible with Wi-Fi AP's enabled with Bluetooth® technology from various vendors. Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Physical

Dimensions	Diameter 29.3 mm / 1.15" and thickness 7.7 mm / 0.30"
Colors	The casing and the ring come in white
Casing	PC and ABS, highly durable composite structures used in the automotive industry

Chemical and mechanical

Operating temperature	-10°C to +60°C / +14°F to +140°F
Heating for 10 secs duration	+85°C / +185°F
Environmental and chemical properties	IP65, saltwater, salt mist, acetic acid water, carbonated sodium water, sugared water, ethylene glycol, humidity 95% (50°C / 122°F, 24h)
Certificates	BLE, CE, FCC, ISED, RoHS & Reach conform (www.conflictfreesourcing.org)

About Blyott

Blyott is at the forefront of transforming industries with innovative localization and monitoring solutions. Our platform integrates advanced data analytics and AI, supporting various sectors to navigate operational challenges, enhance efficiency, foster staff well-being, and achieve sustainability goals.



EASY TO SET UP

Works in a matter of minutes.



SCALABLE

Scale to millions of assets.



PAY-AS-YOU-GROW

Custom plans are available.



OPEN STANDARD

Integrate using REST APIs and webhooks.



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