Blyott Standard Sensor Ruggedised BT-T1R

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-T1R sensor is a BLE V5.0 compliant module with secure, custom firmware and a waterproof, easy-to-clean casing.
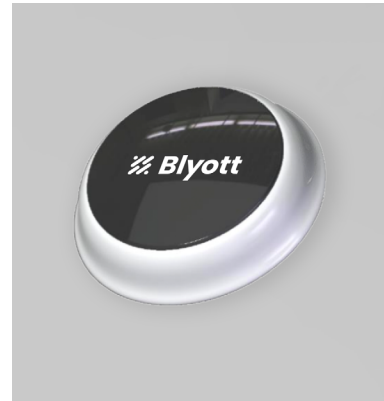
BT-T1R helps you keep track of your (mobile) assets and is designed to fulfill all requirements for:

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

With optimized and ultra-low power consumption, BT-T1R 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.

The BT-T1R is a ruggedised version of our most popular sensor, BT-T1, but specifically the BT-T1R is developed for harsh environments.

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All specifications BT-T1R

General

Battery reference	CR2032 - 3 volts lithium battery
Battery lifetime	Up to 10 years depending on the sensor configuration and usage
Broadcasting range	Up to 100 m / 328.08 ft
Transmission power	-17 dBm to +6 dBm
Accelerometer sensor	Capable of measuring accelerations with configurable trigger events
Temperature sensor	Accuracy of (0°C to 70°C): ± 0.8°C and (-40°C to +85°C): ± 1.3°C

Physical

Dimensions	Diameter 47.90 mm / 1.88″ and thickness 11.10 mm / 0.43″
Colors	The rings comes in white, the center black or transparent
Material	Thermoplastic elastomers (ring), PC (center)

Chemical and mechanical

Operating temperature	-30°C to +60°C / -22°F to +140°F
Storage temperature	-30°C to +60°C / -22°F to +140°F
Environmental and chemical properties	IP68, saltwater, salt mist, acetic acid water, carbonated sodium water, sugared water, ethylene glycol humidity 95% (50°C / 122°F, 24h)
Certificates	BLE, CE, FCC, IC, 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.

Blyott

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