

Blyott Patient Sensor BT-B1

PATIENT & PERSONNEL TRACKING

Track patients and personnel to improve workflows

Look no further in your search for one of the most versatile Blyott sensors out there. The BT-B1 sensor is a BLE V5.0 compliant module with secure, custom firmware and a waterproof, easy-to-clean casing.

The BT-B1 is an excellent option for indoor localization and tracking of patients and personnel.

Get real-time insights into patient and personnel flows, like time spent in the waiting room, the operating room, and the recovery room.

Use the BT-B1 with any standard patient bracelets by simply placing the hospital wristband through the sensor casing and easily reuse it for future patients.

Naturally, no patient information is stored on the Blyott platform, only the sensor ID, which makes the tag fully privacy and GDPR compliant.

A high precision accelerometer sensor permits detection of any movements or vibrations, while the temperature sensor can detect if a person wears the bracelet. In addition, the built-in push button can be programmed and used by patients to request assistance.

Finally, a secure operational mode is included and based on an AES-128 crypto algorithm.



The BT-B1 can be used in combination with most standard patient bracelets and reused over and over again, which makes it extremely sustainable.

AT A GLANCE

Radio	BLE V5.0 · 2.4 GHz
Battery	CR2032 · up to 5 years
Sensors	Accelerometer + temperature
Button	Assistance request
Privacy	Sensor ID only · GDPR

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.

All specifications BT-B1

GENERAL

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

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	CE, FCC, ISED, RoHS & Reach conform (www.conflictreesourcing.org)

BT-B1 · V26R01

About Blyott

Blyott — a simac PHI DATA brand — is at the forefront of transforming industries with innovative localization and monitoring solutions. Our platform integrates advanced data analytics and AI, helping healthcare and logistics teams 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.



www.blyott.com

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