

PRODUCT SPECIFICATIONS

Blyott Time of Flight Sensor BT-TOF

Real-time distance measurement and monitoring

The Blyott Time of Flight (TOF) Sensor is an innovative BLE-based sensor with cutting-edge Time-of-Flight technology.

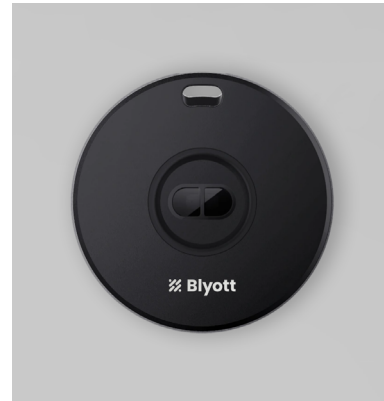
This sensor utilizes infrared (IR) illumination and observes reflected light to measure fill levels, environment, or occupancy monitoring precisely.

BT-TOF is suitable for real-time fill-level monitoring by attaching it in soap dispensers, tissue boxes, or trash cans.

Designed with efficiency and versatility in mind, the BT-TOF is ideal for real-time fill-level monitoring in various applications, ranging from office and supermarket environments to warehouses and smart washrooms.

Based on BLE 4.2, the sensor ensures seamless communication and compatibility with various devices, facilitating easy integration into IoT ecosystems. For instance, the BT-TOF measures the distance from the sensor to the surface and sends the distance in centimeters to the Blyott Platform, where this can be visualized.

The BT-TOF has a compact and waterproof design and is equipped with a large 600mAh battery with a lifespan of up to 5 years.



The BT-TOF is a revolutionary new battery-powered sensor for real-time distance measurement and monitoring.

Highlighted use case

- ✓ Healthcare: Trash bin fill level detection, paper dispenser fill level detection
- ✓ Smart washroom: occupancy detection, soap dispenser fill level detection
- ✓ Warehouse: Stock count, Inventory level monitoring

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All specifications BT-TOF

General

Battery reference	600mAh, replacable
Battery lifetime	Up to 5 years based upon advertising interval and transmission range
Broadcasting range	Up to 150 m / 5910" (in open area without obstacles)
Connectivity	BLE 4.2 (hardware compatible with BLE 5.1)
Security	AES-128, encryption and authentication

Physical

Dimensions	Diameter 38 mm / 1.49" and thickness 14.5 mm / 0.57"
Colors	Black
Material	PC

Chemical and mechanical

Operating temperature	-20°C to +60°C / -4°F to +140°F
Environmental and chemical properties	IP67 waterproof, humidity 95% (non-condensing)
Certificates	FCC, CE, RoHS, REACH, Bluetooth

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.



www.blyott.com

Kappellestraat 138/0-02
8020 Oostkamp
Belgium

Get in touch at
info@blyott.com