

EYE SENSOR

BLUETOOTH® ID BEACON WITH
SENSORS - BTSMP1



WATER-RESISTANT



LONG
RANGE



SENSORS
DATA



LONG LIFETIME

600 mAh capacity, 5+ years long battery life

WATER-RESISTANT

IP67 protection casing with handy two mounting points

MOBILE APP

Easy to use mobile app for configuration, data scanning, and updating

4 SENSORS SET

Temperature, Humidity, Movement, Magnet detection sensors

Wireless solutions open up new horizons for your business and help to keep an eye on your assets and their essential parameters. Discover our certified Bluetooth® Low Energy ID sensor model from Teltonika with a robust lightweight casing and a long-lifetime battery. The model designed for a low-cost fast and easy configuration and integration to save precious time, resources, ensure timely monitoring and accountability.

Perfect for traceability use cases, delivery tracking, monitoring of various movable objects in logistics (trailers, containers), agriculture (tractor attachments), and constructions (tools and inventory). Sensors data makes it especially suitable for cold chain refrigerator use cases. The built-in accelerometer can detect item movement, pitch and roll of the device. Magnet detection can be used for wireless open/close detection and notifications such as trailer door events, etc. EYE sensor supports iBeacon and Eddystone protocols. The device is fully compatible with the Teltonika firmware platform which provides extended functionality. Configure, scan, and update anytime anywhere with a dedicated Teltonika mobile app.



Functionalities

Beacon ID, LED, Temperature, Humidity, Accelerometer, Magnet detection, Hibernate

Dimensions and weight

| | |
|------------|-------------------------|
| Dimensions | 56,6 mm x 38 mm x 13 mm |
| Weight | 18 g |

Battery and power

| | |
|---|---|
| Model | CR2450 |
| Type | Lithium, Manganese Dioxide (Li/MnO ₂) |
| Total Capacity | 600 mAh |
| Replaceable | No |
| Battery life (Tx=2 dBm; interval: 3 s) | 2.5+ years |
| Battery life (Tx=2 dBm; interval: 5 s) | 4+ years (Default) |
| Battery life (Tx=2 dBm; interval: 10 s) | 5+ years |
| Battery life (Tx=2 dBm; interval: 10 s; accelerometer DISABLED) | 7+ years |

Electronic

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|-------------------------------|-------------------------------|
| Microcontroller | ST Microelectronics BlueNRG-2 |
| Quartz Crystals | 32.768 kHz, 16 MHz |
| Bluetooth operating frequency | 2.402 - 2.480 GHz |
| Bluetooth antenna gain (peak) | 1.2dBi |

Connectivity

| | |
|-------------------------------------|--|
| Bluetooth® | Bluetooth® 4.2 compliant, Bluetooth® 5.2 certified |
| Range | 80 m |
| Available transmission power levels | Up to 8 dBm |
| Sensitivity | -88 dBm |

Casing

| | |
|---------------|--------------------------------------|
| Protection | IP67 |
| Mounting | Two holes to screw/leash/strip, tape |
| Customization | Custom logo upon request* |

* Special conditions

Environmental Requirements

| | |
|---------------------------|-------------------------------|
| Humidity (non-condensing) | From 0% to 100% |
| Operational temperature | -20°C / +60°C (-4°F / +140°F) |

Protocols compatibility

| | |
|-----------|-----|
| iBeacon | Yes |
| Eddystone | Yes |
| Teltonika | Yes |

Certificates

| | |
|--------------|-----|
| CE RED (EU) | Yes |
| FCC (USA) | Yes |
| UKCA (UK) | Yes |
| RoHS | Yes |
| E-mark | Yes |
| EAC | Yes |
| ANATEL | Yes |
| REACH (EU) | Yes |
| SIRIM QAS | Yes |
| SDPPI POSTEL | Yes |
| TELEC | Yes |
| IP rating | Yes |

Measuring range

| | |
|-----------------------------|--------------|
| Temperature measuring range | -20 to +60°C |
|-----------------------------|--------------|