

# 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 <sub>2</sub> )
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

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**

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iBeacon	Yes
Eddystone	Yes
Teltonika	Yes

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**Certificates**

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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

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**Measuring range**

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Temperature measuring range	-20 to +60°C
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