

BT Eye sensor

BS 115 801



CERTIFIED BLUETOOTH LOW ENERGY ID SENSOR MODEL WITH A ROBUST LIGHTWEIGHT CASING AND A LONG LIFETIME BATTERY

USAGE AND CHARACTERISTICS

- » Perfect wireless solution 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.
- » EYE sensor supports iBeacon and Eddystone protocols.
- » 5+ years long battery life
- » IP67 protection casing with handy two mounting points
- » The model is designed for a low-cost fast and easy configuration and integration to save precious time, resources, ensure timely monitoring and accountability



MEASURES AND TRANSMITS

- » 4 sensors set: **Temperature, Humidity, Movement, Magnet detection sensors**
- » 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 doorevents, etc.
- » Easy to use mobile app for configuration, data scanning and updating

TECHNICAL PARAMETERS

| | | |
|---|---|--|
| FUNCTIONALITIES | Beacon ID, Temperature, Humidity, Accelerometer, Magnet detection | |
| DIMENSIONS AND WEIGHT | Dimensions | 56,6 mm x 38 mm x 13 mm |
| | Weight | 18 g |
| 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 |
| BATTERY AND POWER | Model | CR2450 |
| | Type | Lithium, Manganese Dioxide (Li/MnO2) |
| | 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 | |
| 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 |
| ENVIROMENTAL REQUIEREMENTS | Humidity (non-condensing) | From 0% to 100% |
| | Operational temperature | -20°C / +60°C (-4°F / +140°F) |
| PROTOCOLS COMPATIBILITY | iBeacon, Eddystone, Teltonika | |
| CERTIFICATES | CE RED (EU), FCC (USA), UKCA (UK), RoHS, E-mark, ANATEL, EAC-TBD, EN12830-TBD | |
| MEASURING RANGE | Temperature measuring range -20 to +60°C* | |



ELKOPLAST CZ, s.r.o.
Štefánikova 2664
760 01 Zlín
Czech Republic

tel: +420 575 571 000
e-mail: elkoplast@elkoplast.cz
www.elkoplast.cz