

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*	