



EYE SENSOR ATEX

Bluetooth® sensor to keep an eye on your assets by monitoring temperature, humidity, movement, and magnet status in hazardous environment



LONG LIFETIME

600 mAh capacity, up to 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



Indoor monitoring



Hazardous cargo



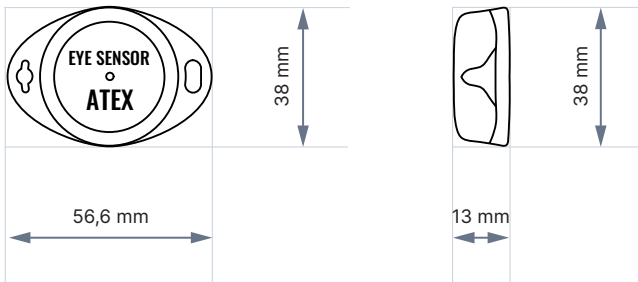
Chemicals manufacturing



Oil & Gas industries

Introducing the EYE Sensor ATEX, a Bluetooth® Low Energy sensor designed for precise tracking and monitoring in hazardous environments. Certified for ATEX Zone 1, this sensor is perfectly suited for industries such as oil and gas and chemicals manufacturing, where robust safety and compliance standards are critical.

Equipped with temperature, humidity, magnet detection and movement sensors, the EYE Sensor ATEX provides comprehensive monitoring capabilities. It ensures reliable operation in high-risk areas, thanks to components that meet stringent ATEX requirements. Engineered to monitor as well as track equipment, personnel, cargo, and similar goods, whether indoors or in transit, it offers a dependable solution for detailed insight into the conditions affecting your assets. With a battery life of up to 5 years, this sensor supports long-term monitoring and asset management in challenging industrial settings.



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

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
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 ¹

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
ATEX (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
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¹ Special conditions