



EYE BEACON ATEX

Bluetooth® ID beacon to keep an eye on your assets in hazardous environment



LONG LIFETIME

600 mAh capacity, up to 10 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

RANGE

Up to 80 metres connectivity range via Bluetooth® wireless technology



Indoor monitoring



Hazardous cargo



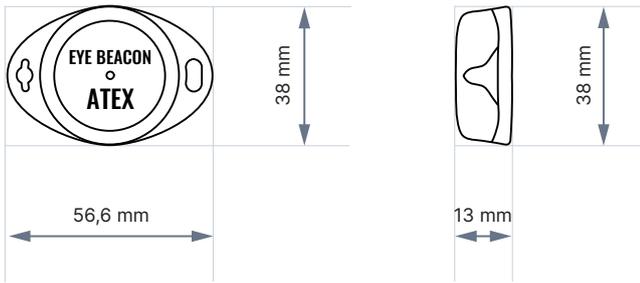
Chemicals manufacturing



Oil & Gas industries

Introducing the EYE Beacon ATEX, a Bluetooth® Low Energy beacon designed specifically for use in hazardous environments. This device is certified for ATEX Zone 1, making it ideal for industries such as oil and gas and chemicals manufacturing, where safety and compliance are paramount.

Constructed with extremely safe components that meet stringent ATEX standards, the EYE Beacon ATEX ensures reliable operation in high-risk areas. It is engineered to help locate equipment, personnel, cargo, and similar goods, whether indoor or in transit. With a long battery life of up to 10 years, this beacon is a robust solution for long-term monitoring and asset management in challenging industrial settings.



Functionalities

Beacon ID, LED, Magnet detection¹, Hibernate

¹ Only new revision hardware

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)	4 years
Battery life (Tx=2 dBm; interval: 5 s)	8 years (Default)
Battery life (Tx=2 dBm; interval: 10 s)	10 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 ²

Certificates

ATEX (EU)	Yes
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

1 Special conditions

2 Battery level and magnetic field detection status