

Eyetr^onicEx General Features

Eyetr^onicEx[®] is a small, but high performance ruggedised instrument aimed specifically at monitoring environmental and behavioural conditions on valuable remote assets, for example Riser and CALM buoys and vessels at sea.

Eyetr^onicEx[®] can be configured with a range of 'options' with various functions and sensors - including (but not limited to) a sensitive GNSS** antenna, GNSS receiver, 3-axis motion measurement, vibration and shock monitoring, heading and direction recording, local temperature and hot-spot readings, light levels, and data logging.

Available as **ATEX Ex Zone 1 IIC gases** for the oil & gas industry.

Note: Eyetr^onicM[®] has the same capabilities, but is aimed at marine, and similar environments, Eyetr^onicR[®] is for land-based applications (rail and transport)

** (GNSS = Global Navigation Satellite System)

Eyetr^onicEx[®] Features and Options - Option-1

Option 1 High gain high performance GNSS antenna complete with low noise amplifier (LNA) - for **ATEX Ex Zone 1 IIC gases** (supplied with certification)

Ex rated GPS/GNSS antennas are notoriously poor - Eyetr^onicEx is different - offering outstanding bandwidth, sensitivity, and reliability.

Full horizon-to-horizon receive aperture with over 30dB gain and less than 1.5dB noise figure.

Suitable for GPS, GLONASS, BEIDOU, and GALILEO signals (L1, G1, B1, B1 BOC, B1-2, E1) and associated augmentation signals (WAAS, EGNOS and MSAS).

Other important features

Extra wide voltage input range: 1.8 to 16 VDC at 15mA power consumption

ESD protection: 15KV

Temperature Compensated Gain

Ruggedised construction

Further Eyetr^onicEx Options include:

Complete GNSS receiver with augmentation, 3-axis motion measurement for angle and tilt, vibration and shock, heading and direction, local temperature and hot-spot (fire or overheat monitor), light level detection (solar power surveys), and fully programmable data logging

Please ask.....

Mechanical

Material = Stainless steel 316L/CF-3M

Heavy duty RAL yellow epoxy coated (other colours to order)

Designed for pole-top mounting using clamps supplied

Supplied ready wired with 10m Armoured connecting cable (when options demand it)

Environmentally tested to BS 13628-6 - including temperature and vibration

Certifications/Approvals

ATEX Zone : 1


Type of protection: II 2G / D, Ex d/de IIC T5. Temperature class: T5

Ambient operating temperature : -40°to +60°C

IP Rating: IP67, with IP68 available as an option

Approvals: DNV-2004-OSL-ATEX-0115

Standards: EN/IEC: 60079-0, 60079-1, 60079-7, EN 50281

Ex code:  II 2 G / D, Ex d/de IIC

Dimensions

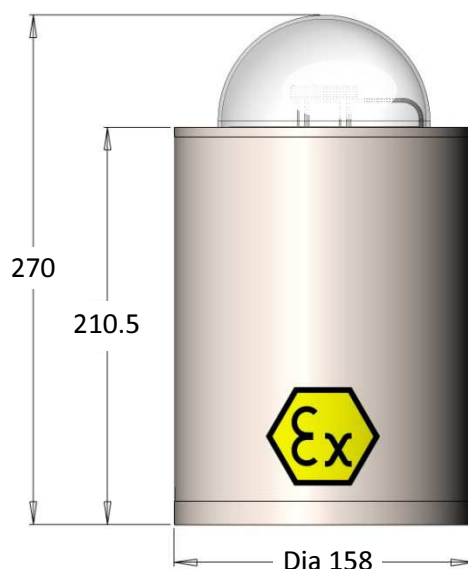
(without pole fixing clamp)

Height: 270mm (without glands)

Diameter: 158mm

Weight

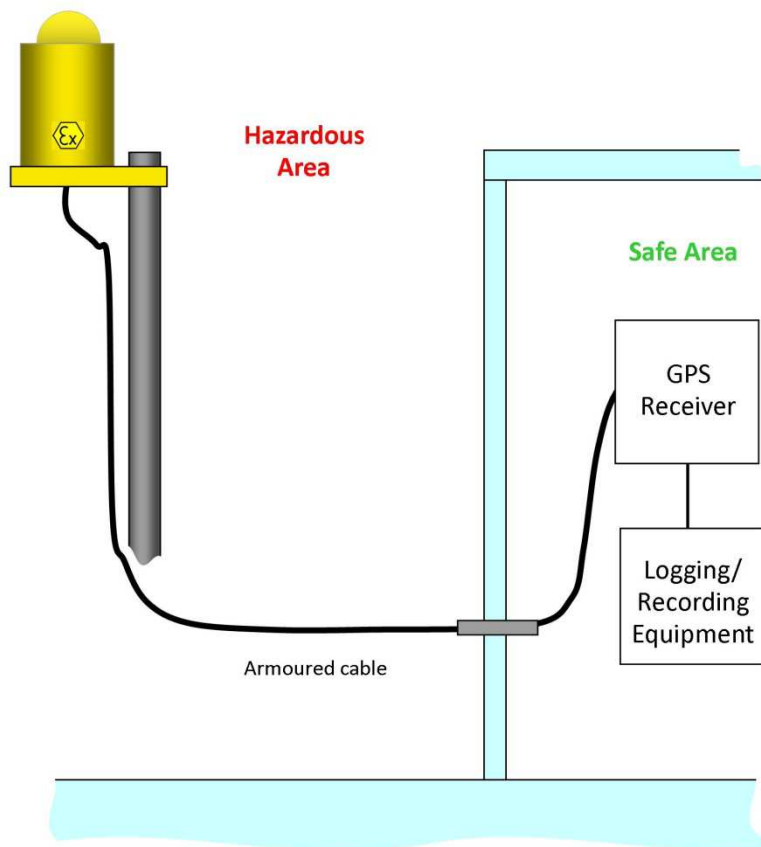
16kg (without pole fixing clamp)



Other options? - ask for more details....

Typical EyetronicEx Installation

EyetronicEx Wideband GNSS Antenna (Option-1)



For more information contact:

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Note: EyetronicEx is not suitable for applications that track or protect human life directly