



ULYS - Ex Explosion proof GPS / GSM beacon for hazardous goods surveillance

- ▶ The **Ulys-Ex** beacons provide real time positioning and remote monitoring for tank containers and tanker vehicles carrying hazardous goods such as gases, or any flammable liquids.

Designed to resist harsh environmental conditions, these embedded beacons can monitor up to two sensors and 4 detectors to provide real time alarm management such as door opening, temperature, fluid level, etc... .

The all-in-one casing of **Ulys-Ex**, with no external power supply needed, ensures maximum reliability over time.

The high-powered software capacities of the **Ulys-Ex** beacon provide remote parameters setting and software download functions.



▶ Technical characteristics

- **Autonomy:** 6 years without changing batteries
- **Power supply:** Built-in lithium batteries
- **Dimensions:** 325 x 176 x 176 mm
- **Operating temperature range:** from - 30°C to +70°C
- **Positioning information:** built-in GPS receiver
- **Position transmission:** by dual band GSM modem (*SMS messages*)
- **Water-resistant:** IP 66
- **Electromagnetic compatibility:** NF EN50125 -1, NF EN50155
- **Connectors :** - internal temperature sensor
- 4 digital inputs, 2 analog inputs 0-5 V
- 1 external ports RS232
- **Compliant with Mapi software and with GAIA communication server**

- **6 year autonomy on batteries**
- **Explosion Protection Zone 1 approval**
- **Approved according to the norm EN 50014 ATEX (directive 94/9/CE):**
 - For Dust: II 2D IP65
 - For Gaz: II 2G Eex d IIC T6
- **Real time alarm message transmission**
- **Built-in self-test system for optimum data reliability**
- **Remote parameters settings to adapt data flow**