



ULYS - W GPS/GSM onboard beacon for wagons surveillance

- The **Ulys-W** beacons ensure maintenance-free satellite positioning without connection to onboard power supply.

The small size of the GSM/GPS units combined with the use of a flat antenna provides for maximum discretion, thereby reducing risks of theft or vandalism.

Ulys-W beacons enable remote monitoring of parameters such as temperature, impact, humidity, loading status and door opening to provide higher security and added value to real time positioning.

They are designed to withstand the severe environmental conditions inherent to rail transport, such as shocks, vibration and exposure to wide temperature changes.

Four screws fix the unit to its mounting device which is then simply bolted onto the side of the wagon.



➤ Technical characteristics

- ⊗ **Autonomy:** 5 years without changing batteries
- ⊗ **Power supply:** Integrated lithium batteries
- ⊗ **Dimensions:** 163 x 110 x 110mm
- ⊗ **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 port RS232
- ⊗ **Compliant with Mapi software and with GAIA communication server**



- **5 year autonomy**
- **Compact dimensions (ensuring maximum discretion)**
- **Positioning by satellite link**
- **Dual-band GSM data transmission for tracking all over Europe (SMS)**
- **Movement detection**
- **Read-write capabilities enabling remote parameter setting for tailor-made configuration**
- **Built-in self-test system for optimum data reliability**