



ULYS - W2 Smart GPS onboard beacon with embedded mission management

- The **Ulys-W2** beacons ensure maintenance-free satellite positioning without connection to onboard power supply.

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

Ulys-W2 beacons include remote software download capabilities, as well as the possibility of monitoring parameters such as temperature, impact, humidity, loading status and door opening to provide higher security and added value to real time positioning.

Ulys-W2 are designed to be interfaced with fleet management IT systems, thus transmitting added-value information such as delays on time schedule.

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



➤ Technical characteristics

- **Autonomy:** 6 years without changing batteries
- **Power supply:** Integrated lithium batteries
- **Dimensions:** 163 x 110 x 110mm
- **Operating temperature range:** from - 25°C to +65°C
- **Positioning information:** built-in GPS receiver
- **Position transmission:** by GPRS or SMS
- **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**

- **Self-sufficient beacon** (no external power required)
- **Data transmission via GPRS modem**
- **Position request on demand**
- **Remote software download**
- **Onboard mission management capabilities**
- **Movement detection**
- **Built-in shock and temperature recording capacities**
- **Read/write capabilities enabling remote parameter setting**
- **Built-in self-test system for optimum data reliability**
- **Adapted to railways environment**

