



# ULYS - GPRS

## Smart GPS / GPRS onboard beacon for vehicle tracking

➤ Saphymo's autonomous **ULYS-GPRS** beacon is a communication interface between the fleet manager and the mobile unit, transmitting relevant information in real-time for :

- Higher asset utilisation
- Improved production planning
- Reduction of operating costs by improving asset visibility
- Improved quality of service to customer

The **ULYS-GPRS** derives from the Ulys L beacon, already installed on more than 3000 locomotives and ensures maintenance-free satellite positioning of vehicles for at least 2 years without connection to the onboard power supply, using the new GPRS mode.

The **ULYS-GPRS** can manage and transmit position as well as event based information (start/stop, tardiness, in/out of zone, probe readings etc.)

The compact size of the **ULYS-GPRS** beacon allows easy installation on various types of vehicle and are designed to withstand the severe environmental conditions.



### ➤ Technical characteristics

- ⊗ **Autonomy** : 2 years
- ⊗ **Power supply** : integrated lithium batteries
- ⊗ **Dimensions** : 230 x 160 x 110 mm
- ⊗ **Operating temperature range** : from -20°C to +60°C
- ⊗ **Positioning information** : built-in GPS receiver
- ⊗ **Positioning transmission** : GPRS
- ⊗ **Water-resistant** : IP 66
- ⊗ **Electromagnetic compatibility** : EN 50121-3-2
- ⊗ **Compliant with Mapi software and with GAIA communication server**

- **Location by GPS**
- **Data transmission via GPRS modem**
- **Position request capabilities**
- **Read/write capabilities enabling remote parameter setting and software download**
- **Enhanced GPS data with moving status and alert transmissions, such as door opening, alert on position, etc...**
- **2 year autonomy on batteries**
- **Built-in self-test system for optimum data reliability**
- **Adapted to severe environmental conditions**

