



TRACKING & TRACING FOR DANGEROUS GOODS

The transport monitoring of dangerous goods demands for equipment with special requirements. CarLoc® AT-ATEX is specifically designed for the use on tank cars and containers.

CarLoc® AT-ATEX units accompany transports at any time. They provide reliable information about location, schedule and load status for years.

The integrated sensor system furthermore evaluates mileage and excessive impacts on all 3 axes.

High functionality combined with comfortable configuration options allow a customized operating at minimal cost.

The intelligent device logic reports interesting events of the transport, to the back-end - worldwide.

KEY FEATURES

- Certification according to ATEX directive 94/9/ EC
- Accurate positioning even in difficult environments thanks to high-sensitive GPS receiver.
- Continuous activity monitoring for
 - Shock- and movement detection
 - Milage evaluation
 - Door control
 - Geo fencing of up to 10'000 zones
- Remote-configurable at any time
- Log-data memory for several months recording
- Extremely long life battery
- Easy installation
- Worldwide communication





CARLOC® DATA

CarLoc® AT-Rail monitors and provides the following data:

- Position incl. time, speed and heading
- Asset status: stopped/parked/moved, alarm
- Mileage, time parked and time moved
- Stop-over in terminals, premises- and port areas
- Data of integrated sensors
- Battery capacity
- Project-specific data

OPERATION MODES

Unit configuration can be altered remotely to generate messages:

- At a specific time of day
- At pre-set time or distance intervals
- On entering / leaving of terminals, premises or harbour areas
- Whenever the asset starts or stops moving
- When a sensor or other device trips
- And many combinations more

Technical Data	ATEX category	Device group II Cat. 2, zone 1 (occasional exposition) Gas of Ex.group IIB (Town gas, hydrogen sulfide etc.) Temperature class : T4 (surface temperature <135°C)
	Communication	Quad-Band EGSM 850/900, 2W; 1800/1900 Class10 GPRS and SMS
	Location	50 channel Super-Sense GPS-receiver
	Geo-Fencing	10'000 geo-zones managed at the unit
	Data Memory	30'000 sensor records incl. time and position
	Power	Integrated ATEX lithium battery
	Integrated Sensors	3-axis g-sensor for shock and movement detection
	Options for external interfaces	Door switch, load sensor
	Temperature Range	-40°C ... +60°C
	Housing L/W/H [mm]	135/85/125
	Housing Protection	IP65
	Weight	1,2 kg (without bracket)



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