Technical information

[/spotguard pro]

Spotguard PRO is a compact battery operated tracking device optimized for low power consumption. The device is waterproof (IP67) and has an internal battery for flexible installation. An internal RF beacon can be activated for recovery purposes.
An internal G-sensor detects any movement between report intervals.

[facts]

> Positioning with GPS and GSM triangulation
> Web interface
> Records temperature, movement and battery
> Water and dust resistent (IP67)
> No external connections
> Power: internal battery, 38Ah (Lithium)

[benefits]

> Autonomous positioning system
> Adjustable settings, frequent measurements
> Programmable alerts and alarms based on defined values
> Documentation and history

[key functions]

> Activity based positioning
> Short reporting intervals on the move
> Sleep mode with 12h reporting when inactive
> Movement indication
> Extreme battery lifetime – up to 25.000 reports (at 25 °C and good cellular coverage)

[certificates and approvals]

> RED 3.1.a, 3.1.b, 3.2
> 2011/65/EC (ROHS2),EC 1907/2006 (REACH), 2012/19/EU (WEEE),CE
> No water intrusion

[temperature readings]

> Internal temperature is indicated in every position report
> Full history and drill-down functionality in the web based user interface.

[physics]

> Water resistant; IP67.
> Dimmensions: 160x90x40mm
> Weight: 450g

[User interface]
> Web portal and App

[Alarms / notifications]
> Email and SMS

Power Consumption		
Battery	1S2P Lithium D-cell (38.000 mAh)	
	24h	**12h:30m:8h movement**
Power consumption per. report	2,2 mAh	1,5 mAh
Average # reports per. day	2	18
Sleep mode consumption per. day	0,4 mAh	0,4 mAh
Average consumption per. day	4,4 mAh	24,8 mAh
Estimated battery lifetime	10+ years	3,5 years

Reporting every 12h and every 30 min at movement in 8 hours per day (at 25 °C and good cellular coverage).