



ORBIS_Smart sensor -Tank level monitoring

About

This sensor is a tank level monitoring device. It allows you to avoid breakdowns, to avoid overflows, to predict your consumption and to be alerted before breakdowns.

It is also equipped with a geolocation device to allow you to follow your mobile tanks, directly on a map, from your professional space.

The sensor takes 4 daily readings or more.

The information is visible directly on the Fueledesk & Fuelsens platform, mobile app and alerts can be set up.



Technical description of the sensor

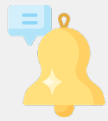
Model	Value
Power supply	1 pack of 2 SAFT batteries (LS14500) - non rechargeable - user replaceable
Battery life	About 5 years (depending on the number of daily readings)
Network	SIGFOX (RCZ1) / LORAWAN ISM band: 868 mHz (CSS/ BPSK) NB - IOT / LTEM / 2 G Geolocation (GPS, Galileo...)
Operating temperature	-20°C à +60°C
Frequency of reading	4,6, or more daily statements
Compatible fluids	Fuel, liquid waste, water, lubricant, GNR, Adblue, etc

Model	Value
Measuring technology	Ultrasonic. 40 kHz emission
Height	74 mm
Diameter	87 mm
Weight	134 gr
Protection class	IP67 waterproof and dust-proof
Finition	ABS
Certification	CE, RoHS, Bee law compliance
Range of the sensor	Minimum distance 15 cm (between 0 and 15 cm the tank will be considered full) Maximum distance : 4 m

Use cases



Remote monitoring of the fluid level of your containers
(e.g.: tank/IBC/reservoir/boiler room/mobile generator set...)



Configurable level alerts depending on the monitoring system
(consumption or filling monitoring) received by SMS or email (or both)



A history allows you to trace the evolution of the level of your tanks
over the last month/last week/last day (or personalized date).



Containers located directly on a map,
configurable alerts based on detected movements or
detected or exits/entries from a perimeter.

Advantages of the sensor



Quick and easy installation.
Battery life: approximately 5
years Battery life may vary
depending on the number of
readings.



**Easily configured and
adaptable to all tank shapes** (+
possibility to ask for the addition
of an abacus).



**Online tracking of gauge and
GPS data:** On the FUELDESK
professional service platform,
on the FuelSens user platform
+ mobile application. Data
redirection to the chosen server
via API.

