Sense**it**™

Senseit Tank Sensor

The Senseit Tank Sensor is an accessory to the Senseit remote management solution. It allows you to see the exact content level of your tanks in a regular web browser. You also get immediate alarms if the level is too low or if it drops too fast (theft or leakage).

What you get:

✔ Access to exact tank levels at any time.

✔ Historical reports of the consumption over time.

✔ Estimations of when it's time to refill.

✔ Alarms when certain thresholds are reached or if the content levels drop too fast. Alarms can be set on several thresholds and sent via e-mail, RSS-feeds, SMS or via the Senseit API.

Online access to tank levels

The Senseit Tank Sensor is an easy-to-use solution for monitoring the content level of diesel tanks, water tanks etc. The sensor is mounted on top of the tank and gives a very exact reading (<1,5% margin of error). It can be used on most tank types up to 2 meter's height.
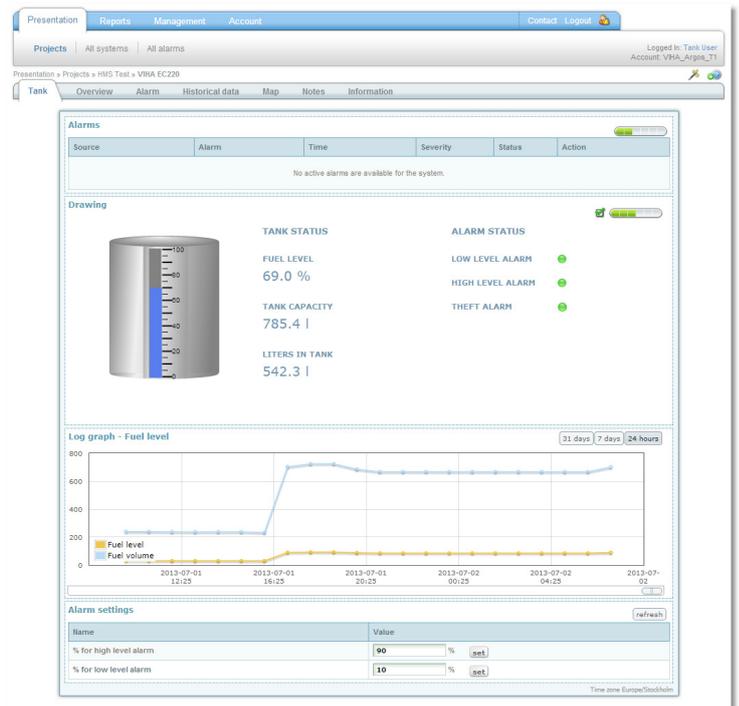
No calibration needed

You simply connect the tank sensor to your Senseit gateway, enter the tank type and dimensions, and the content is displayed in liters or gallons in your Senseit web interface.

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The Senseit Tank Sensor is used together with a Senseit gateway to monitor tank levels. The Senseit gateway sends data about the fluid levels over Ethernet or the cellular network. The values show up immediately in an online dashboard (Senseit) without you having to visit the site.

3 YEAR GUARANTEE

Senseit provides a full 3 year product guarantee from date of shipment.

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TECHNICAL SPECIFICATIONS

Desription	Senseit Tank Sensor
Order code	SP1616
Type	Ultrasonic sensor
Power supply	12-30 V DC, isolated
Operating temperature	-15 +70 °C
Dimensions W×H×D	125 x 30 x 76.5 mm
Mounting	Screws on top of tank
IP rating	IP67
Calibration	No calibration needed.
Certificates	UL, CE
Cable length	10 meter combined Modbus and power cable included. Extension cable (5 m) available as accessory.

COMMUNICATION

Serial port	RS485 Modbus, isolated
Baudrate	1 200 to 115 200
Parity	No parity
Data bits	8 data bits
Stop bit	1 stop bit
Default slave address	20

MEASURING

Fuel level measuring range	80-2000 mm.
Accuracy	<1,5% margin of error (vibration and humidity compensation included)

REPORTS

Tank volume reports

Consumption report (average per/hour, daily, weekly, monthly)

ALARMS (sent via e-mail, RSS-Feed, SMS or the Argos API)

If levels reach a certain threshold (multiple thresholds possible)

If tank levels decrease too fast (leakage or theft)

If connection is lost

If cable is cut or tampered with (or removed)

In Senseit, you can design your online dashboard any way you like. This example shows fuel level, tank capacity, liters in tank and alarm status.

Senseit™

42 Elm Terrace
Flemington NJ 08822
Tel: (973) 923-1999
Fax: (973) 923-1099
www.Senseit.com

To Order Call (973) 923 -1999

Senseit™ *Save time, save energy, save resources!*

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