

Fuel Monitoring System

ECOsens[®] classic

The independent fuel monitoring system will be best for all who already operate a tracking system, or in case there is no specific need for an online system.

The independent system communicates by means of toll free radio modules with the server, where collected data is sent after return of a truck. Relevant engine and fuel data is being recorded, but different to our online tracking system no GPS tracking data is being recorded.

Telematic Blackbox with ECOsens Fuel Sensors

Dimensions L x W x H: 82mm x 115mm x 33mm

Supply: 12-24 VDC

Installation: vehicle cabin

Fuel sensors: same as ECOsens online

Memory: for periods of 3-5 months

Distance of data transfer: approx. 100 - 200 meters

Data will be converted on the server and is ready for analysis and reporting features. Reports can easily be customized.



In addition to a precise consumption check the system is able to proof for several ways of fuel fraud. Fuel taken from the fuel tanks is easily detected, and refill invoices can be verified using the measured refill quantities.

Refill invoices may vary from the system's values in case of bypassing into other vessels or in case of invoice fraud.

Fuel Data Interface

ECOsens[®] interface

This system is built for upgrading all suitable online tracking systems with accurate and reliable fuel data. Alarm messages may be sent in case fuel has been stolen from fuel tanks.

The fuel data interface provides more accurate and reliable fuel data compared to common CAN/FMS data provided by the truck. An additional benefit is that data as well as alarm events will be provided any time, especially when ignition is switched off and the truck is parking for a longer period.

Analysis, reporting and distribution of alarm messages will be handled by the connected telematic system.

Interface Blackbox with ECOsens Fuel Sensors

Dimensions L x W x H: 82mm x 115mm x 33mm

Supply: 12-24 VDC

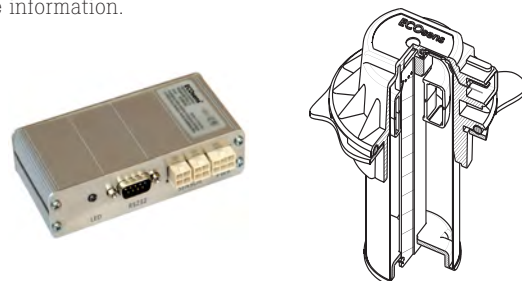
Installation: vehicle cabin

Fuel sensors: same as ECOsens online

Interface: RS232 or customized

Software Protocol: some standards or customized

All ECOsens systems are based on calculation of fuel quantities and fuel consumption based on the fuel level information given by the specific sensors, providing independent, reliable, and accurate information.



The fuel sensors are powered by the interface blackbox with controlled and fused power. Actual status, events and liter values will be calculated and provided to the interface. After detection of new events like refills or withdrawals, refreshed data will be immediately provided to the interface to minimize the delay for sending information or alarm messages. Some standard software protocols are available, and customer specific changes may be managed easily.