



StockView™

Energy Logger™

The battery powered **Energy Logger™** allows to take remote measurements via 2G or 3G of liquid heights via a hydrostatic pressure measure. The sensor can be installed in inflammable areas.

How does it work?

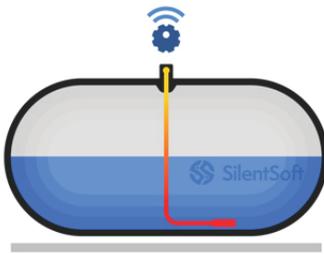
The pressure sensor is placed at the bottom of the tank. It measures the absolute pressure and allows to calculate a product height taking into account the density of the product. The product volume is calculated with the tank geometry and dimensions.

Applications

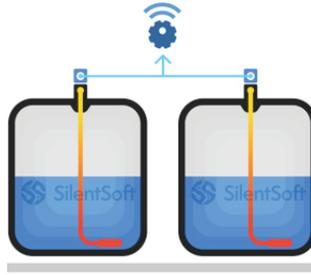
The **Energy Logger™** allows to collect, store and transmit over GSM data from cabled analog inputs or distant RF modules. The **Energy Logger™** has been designed to manage tank levels, temperatures, alarms and meters for gas, water and electricity.



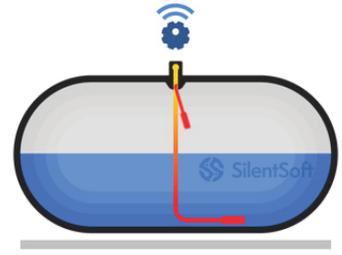
SilentSoft offers 3 references:



Standard



Multi



Differential

The pressure measured at the bottom of the tank is compared with the atmospheric pressure from close meteo sites.

Internal antenna :

EL-3G-GI-1K5-1EGF

External antenna :

EL-3G-GE-1K5-1EGF

SilentSoft has developed an **Energy Logger™** that allows to manage two tanks in parallel. This option reduces costs when two tanks are physically side by side (maximum 1,5m apart).

External antenna :

EL-3G-GE-2K-5/5-2EGF

The pressure measured at the bottom of the tank is compared with the pressure from the second sensor installed in the tank on top of the measured product.

External antenna :

EL-3G-GE-2K-5/5-1DEGF

Technical Specifications

Energy Logger™ by SilentSoft	
Frequency Bands:	3G B1, B2 2G 900, 1800 GPRS and/or SMS
Number of channels:	4 analog inputs (0-5V) 4 electric impulses for meters with alarms 1 serial link RS485 or UART, 1 I2C
Types of channels:	0-5 V, electric impulses, switch, UART
Radio Frequency:	868 MHz, bidirectional, 25 mW Supported Protocol: Coronis™ Operation : Master Distances : 30m inside and 500m outside
Power:	Lithium batteries of 11 Ah
Battery Management:	(1 transmission every 48h, 6 measures per day) 5 to 10 years
Dimensions:	140mm x 81,3mm
Water Proof:	IP 68 at 5m

For more information and advice about our solutions, please contact us or visit our web site, we are at your service!

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