OMNICOMM

MAXIMIZE YOUR FUEL EFFICIENCY

In the dynamic realm of technology, clarity is key. Many vehicles boast standard float sensors off the assembly line, a conventional technology indicating fuel levels. However, having such a sensor doesn't guarantee control, and here's why:

Measurement Inaccuracy:

Float sensors carry a 10% margin of error. Imagine a 500-liter fuel truck; simple calculations reveal a potential loss of 50 liters, translating to a $50 financial setback at $1 per liter.

Temperature Challenges:

Float sensors fall short in compensating for temperature expansions. A mere 20-degree Celsius change can lead to a 9.8-liter fluctuation in fuel volume, crucial for companies monitoring refueling and draining activities.

LITERS	10% ERROR IN $	FLEET OF 10 VEHICLES	FLEET OF 60 VEHICLES
200	20$	200$	1200$
400	40$	400$	2400$
500	50$	500$	3000$

HOW DOES OMNICOMM TRANSCEND THESE LIMITATIONS FOR ENHANCED FUEL EFFICIENCY?

Enter OMNICOMM's revolutionary approach – a precise fuel monitoring system. Our solution goes beyond conventional float sensors, utilizing high-tech sensors based on the patented Fuelscan technology.

Comprehensive Analytics: Over 20 fuel reports enable detailed consumption analysis, offering a nuanced understanding of fuel usage.

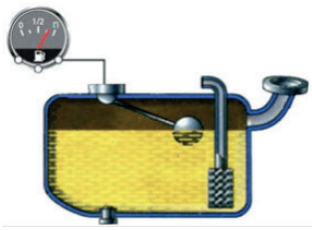
Cutting-Edge Fuel Level Sensors: OMNICOMM's fuel level sensors, placed in the geometric center of the fuel tank, transmit real-time data to GPS trackers via a reliable digital interface. 99,5% accuracy. Fuelscan technology.

Compatibility and Integration: Our fuel level sensors seamlessly collaborate with OMNICOMM tracking equipment and are compatible with popular vehicle trackers and tracking platforms.

The implementation of our modern fuel analytics system has the potential to slash fuel costs by up to 50% in certain industries. OMNICOMM empowers you with the tools needed to transcend the limitations of traditional fuel sensors and truly take control of your fuel efficiency.

COMPARISON OF DIFFERENT FUEL SENSORS TYPES

* Please note that the information given in the table regarding capacitive sensors is applicable to OMNICOMM LLS 5/LLS-Ex 5 models.



	SENSORS CAPACITIVE*	FLOAT-TYPE FUEL SENSOR
Error in Measurement	✓ **LOW** Error in measurement < 0,5% for the whole temperature range, for any fuel	✗ **HIGH** Error up to 20%. Variable resistor has limited number of steps, big blind zones
Thermo-compensation	✓ **YES**	✗ **NO**
Measurement stability to fuel fluctuations	✓ **HIGH** (data filtering, Fuelmetrix algorithm)	✗ **LOW**
Protection against external factors	✓ **HIGH** Electromagnetic interference protection. Physical protection of electronic components (compounding)	**REGULAR**
Wire Protection	✓ **HIGH** (stainless steel corrugation)	✗ **LOW**
Reliability (Durability, Lifespan)	✓ **HIGH**	**REGULAR**
Vandal resistance	✓ **HIGH** (Anti-vandal protection)	✗ **LOW**
GPS-trackers compatibility	✓ **DIGITAL** (LLS, MODBUS), **ANALOGUE** (voltage, frequency) – for LLS-AF 4	✓ **ANALOGUE** (voltage)
Usage in explosive environments (ZONES 0,1,2)	✓ Ex **ATEX** (For LLS-Ex 5 model)	✗ **NO**
Usage in Various Tank Shapes and Sizes	✓ **YES** up to 6m depth	✓ **YES** Depends on the specific shape and size of the tank
Presence of Blind Spots	**YES** 2 cm from the bottom	**YES** Top and bottom of the tank
Moving parts (possible failure)	✓ **NO**	✗ **YES** Floater, variable resistance scale
Innovative edge	✓ Unique in-house developed fuel analysis technology FUELSCAN to ensure measurement accuracy, detect deviation in fuel chemical composition (permittivity) and automatically adjust to it ✓ IP69K Ingress Protection Rating	

Visit our website or contact us today to embark on a journey towards unparalleled fuel management and substantial cost savings!

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