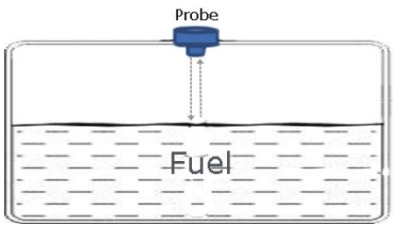
Intellia Ultrasonic Fuel level sensor INT-Level-01

Product Summary

Intellia ultrasonic fuel level sensor INT-Level-01 is installed on the top of the tank.
The operation principle is: the probe sends sound waves about 20Hz and these waves bounce from the surface of the liquid, creating an echo that goes back to the probe. Then the sensor calculates the time the echo took to return to find out the level and volume.



Intellia u ltrasonic Fuel level sensor INT-Level-01 is a perfect solution for monitoring the fuel level and fuel consumption of commercial vehicles and also the liquid level of stationary tanks, etc.

For the fuel level monitoring, the sensor can detect and report fuel theft in real-time by sending an alert. The fuel level is measured and sent to GPS directly, then upload it to the server and processed to display on your computer, mobile phone or tablet.

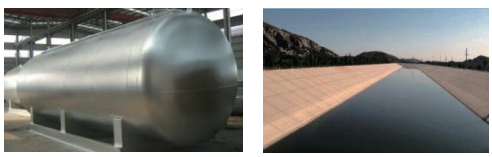
Key Features

- Easy installation, no need to measure the depth of tank and customize the probe.
- Accurate measurement of fuel level, same as capacitive fuel level sensor.
- Stable performance even in extreme temperature conditions with automatic temperature compensation capability in range from -30C° to 75C°.
- IP67 protection.
- Cost effective.

Applications

- Fit for various types of vehicles:

- Stationary tank liquid level monitoring
- Stream and River level monitoring



Technical Specifications

Item	Value
Power supply	9~36VDC
Power consumption	Typical - 0.45W / Sleep mode -0.04W
Operational temperature	-20°C to 65°C
Storage temperature	-40°C to 80°C
Measuring range	2-80cm / 2-200cm (optional)
Accuracy	±0.5% FS
Resolution	0.1mm
Protection rate	IP67
Serial port output	RS232 \ RS485 \ Analog
Baud Rates	Default 9600 or Customized. No parity bit; 8 data bits; 1 stop bit; no flow control.

Product List

Item	Quantity
Model TUF (ø72mm probe with 1m cable)	1pc
Flange	1pc
Self-drilling screw	5pcs
8m extension cable	1pc
Digital indicator for installation (optional)	1pc