

#### Wireless Fuel Monitoring

RadioSecure WLS monitors and periodically reports the fuel status wirelessly to the RadioSecure SLM or RadioSecure IVM. At the core of this level sensor is our third generation open hardware architecture which can be coupled with high sensitivity Ultrasonic level sensor.

#### Intrinsic Safe Operation

Designed for intrinsic safe operations all we need to get the device operational is to power-up this device using the trucks battery.

#### Operation Characteristics

-20°c to +70° operation  
IP 65 weather proofing

#### Application environment:

Diesel, biodiesel, gasoline, kerosene  
(Not applicable to conducting medium)



seal . track . trace

# RadioSecure™ Wireless Level Sensor (WLS) – Ultrasonic Sensor



RadioSecure™ WLS is an integration of the precision ultrasonic level sensor technology with Envotech's Trademark RadioSecure™ container tracking and monitoring devices.

The RadioSecure™ WLS is a family member of the RadioSecure™ range of products with wireless connectivity to the RS IVM (In Vehicle Monitor) or RS SLM (Seal Locked Master). RadioSecure™ WLS periodically reports fuel status wirelessly to the RS SLM or RS IVM which will report via GSM infrastructure to a hosted web base supply chain security and visibility.

This level sensor continuously detects the height of the liquid level in the tank with less than 1mm resolution. Ultrasonic sensor is capable of measuring up to a maximum of 2000mm deep with high precision. Continuity on both sophisticated technology produced a successfully trending product.

The reporting frequency is also user programmable. This innovative real-time wireless level-monitoring solution works for all fuel monitoring applications.

**TECHNICAL SUPPORT**

Hands on technical support from hardware to software integration. We have highly experienced personal to service you to your satisfaction

**ZERO DOWNTIME**

Reliable system with impressive event to server time. Bringing efficiency to another level

**TURNKEY SOLUTIONS**

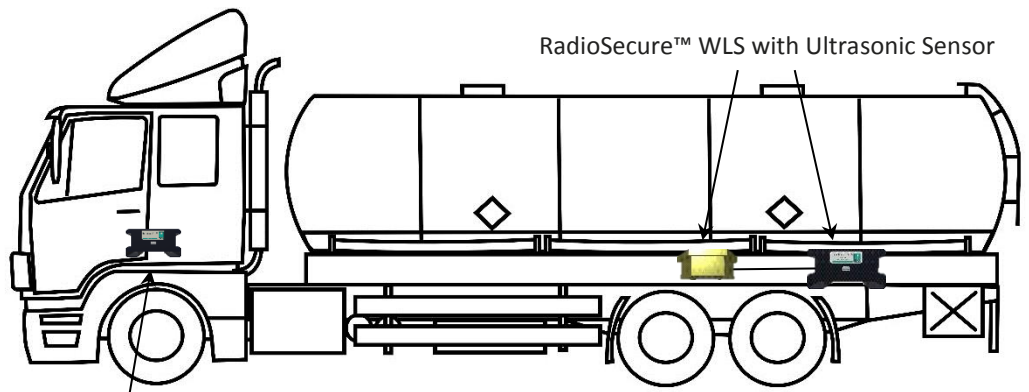
Providing everything you need from supply chain visibility to logistics security. Collecting every data you need

For more information on any of our products or services please visit us on the Web at:

[www.envotech.com.my](http://www.envotech.com.my)

## Specification

Model Number	RS-WLS	Radio Frequency Wireless Level Sensor
Physical	L x W x D Weight	115mm x 57mm x 110mm 0.300 kg
Environmental	Temperature Humidity Weatherproofing	-20°C to +70°C 95% non-condensing IP65
Wireless	Frequency Active Transmit Power Rx Sensitivity Range Protocol Air Data Rate	ISM 2.4GHz QFSK modulation <18dBm(~100mW) -100dBm 400m L.O.S Proprietary 250kbps
Electrical	Backup Battery  Active Current Drain Inactive Current Drain	Rechargeable 3.7v,1.2AH Lithium-Polymer  100mA 0.015mA
Data	RF Packet Data Size Measuring Range	22 bytes per FIFO 35 to 2000 mm



RadioSecure™ IVM

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