

# New IntelliSensor®



## ELECTRONIC FUEL LEVEL SENSOR

Rugged New IntelliSensor® uses proven technology to deliver a reliable, accurate, compact, drop-in solution for fuel level and volume sensing. Patented design featuring no moving parts can be easily configured for analog fuel sender applications (with a PWM output simulating a Datcon/Stewart Warner 240-33.5 ohms resistance), or with a voltage output for interfacing to electronic systems.

**Patented design with NO MOVING PARTS  
means no problems down the road**

- Easy drop-in replacement for fuel sender/sensor using SAE 5-hole flange
- Works in most hydrocarbon-based mediums (diesel, gas, hydraulic fluids)
- Volumetric measurement for non-round tanks--better accuracy reduces system stack-ups
- Protected from corrosion--ideal for use in metal or plastic fuel tanks
- PWM version is self-powered (draws power from fuel gauge/cluster)
- Ideal for use in a high slosh environment (e.g. over-the-road trucks)
- Wide operating temperature range
- Totally sealed system
- EMC compliant at typical OEM levels; works for virtually ANY vehicle or machine
- Meets military specifications



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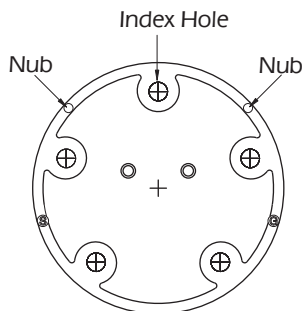


## ELECTRONIC FUEL LEVEL SENSOR SPECIFICATIONS

- Lengths: 6" to 36" (custom lengths available)
- Flange opening: 1.65" (~42mm)
- Flange sealed to +/- 6psi
- PWM accuracy: +/- 4% of full-scale
- Voltage output accuracy: +/- 3% of full-scale
- Operating temperature: -40°C to +85°C
- Operating voltage: 12/24 VDC
- Shock & vibration: Per SAE/OEM standards
- Salt spray: Per SAE/OEM standards
- Electrical protection: Reverse-polarity & over voltage
- Water tolerance: 5% or less (otherwise, gauge pointer pins "full")

<b>Diesel</b> 2-Stud Connection PWM; no switch	<b>Diesel</b> 3-Stud Connection PWM; switch	<b>Diesel</b> 2-Lead Wires PWM; no switch	<b>Diesel</b> 3-Lead Wires PWM; switch
<b>Diesel</b> 2-Lead; Connector PWM; no switch	<b>Diesel</b> 3-Lead; Connector; Voltage Output; no switch	<b>Diesel</b> 3-Lead Wires; Voltage Output; no switch	<b>Gasoline</b> 2-Lead Wires PWM; no switch

NOTES: 1) Order units by depth of tank; 2) PWM is simulated 240-33.5 ohms resistance; 3) voltage output: empty=1 volt / full=4 volts; 4) mount units 1/2" from bottom of tank for tanks up to 12.5" deep & 3/4" from bottom of tank for tanks deeper than 12.5"; 5) depending on application, installer needs to determine if supports are required for lengths over 36"; 6) not all units depicted above come in every length as standard items (i.e. 6"-36").



Standard SAE 5-Hole Mounting Flange

