

ULTRASONIC FUEL SENSOR

— reliably and accurately
monitors fuel level to avoid
costly out-of-fuel
shutdowns —



UltraSonic Fuel Sensor

Features

- High accuracy
- Market-leading reliability compared to traditional resistive float arm sender
- Compact design
- Shuts unit down before the tank empties
- Measures right to the bottom of the tank
- No moving parts

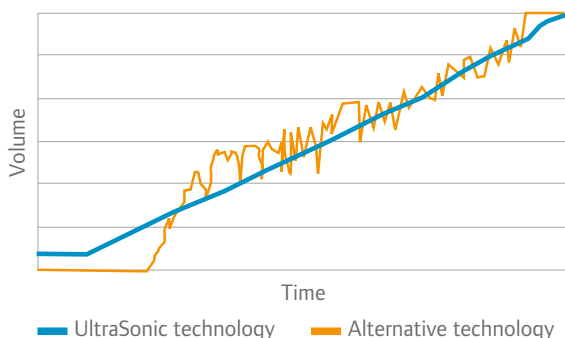
Precise fuel information via controller & precise fuel information via telematics solutions



Specifications

- Calibrated to each Thermo King refrigeration unit and fuel tank to ensure $\pm 4\%$ accuracy compared to 12-15% for traditional resistive gauges
- Automotive grade components ensure higher reliability than off the shelf components
- Positioned in the middle of the tank so less prone to diesel sloshing due to vibration and rapid movement
- Programed to work with Thermo King reefer controller (SR-2/3) logic

Sensor readings while filling tank

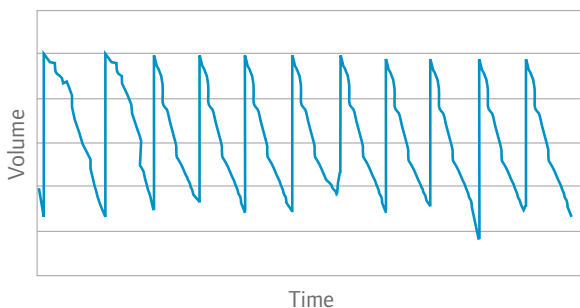


Compared to alternative fuel level sensor technologies, the UltraSonic Fuel Sensor provides the most accurate fuel level, no matter how full the tank is.

Benefits

- Prevents costly out-of-fuel shutdowns and callouts that result in vehicle downtime
- Highly accurate no matter what type of fuel is used
- Detects even minor fuel thefts
- More linear flat line results, which help to predict fuel level and approximate fuel consumption
- Accurate fuel info can be monitored via the unit's controller, combo display or over the air via our telematics solutions

Sample sensor readings (Highly accurate)



The UltraSonic Fuel Sensor was designed and tested to show even the smallest fuel level changes, ensuring accurate measurements and the ability to observe even the smallest fuel theft issues.

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UltraSonic Fuel Sensor

Running out of fuel can result in costly service callouts and downtime. The new Thermo King UltraSonic Fuel Sensor with patent-pending technology has been developed to handle transport-specific conditions and to notify the driver long before fuel levels run dangerously low.

Compared to traditional fuel level sensor technologies, the UltraSonic Fuel Sensor provides the most accurate fuel level reading, no matter how full the tank and displays even the smallest changes in fuel level. Traditional gauges use a mechanical float gauge translated into an electric resistance to give digital outputs which are less accurate due to this conversion and distance travelled from the tank to the controller. UltraSonic has no moving parts and uses sound waves to measure the time taken for the echo to return, thus guaranteeing higher accuracy.

PART NO	DESCRIPTION
401127TKA	Fuel Sensor Ultrasonic TK 190L AI (including Harness)
401275	Fuel Sensor Ultrasonic TK 230L (including Harness)
401432	Ultrasonic Fuel Sensor for Schmitz fuel tanks (including Harness)

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