

Battery Operated Tank Monitoring

Part Number: TLM03-E

Description

InvigiSense is an easy to install, web based sensor solution. No cables, tapes or floats required. Simply screw the sensor into a standard 2" tank port and view the data online using the device of your choice, including your smartphone. Alerts are automatically emailed when tank needs servicing. Available with GPS.

Operation – Liquid Logistics

Cost effective InvigiSense systems greatly improve operational efficiency, by providing 24/7 tank monitoring which reduces costs and increases gross margins, eliminating the guesswork by preventing run-outs, overflows and spills.

Just-In-Time Collections and Deliveries

- REDUCE COSTS**
 Efficient truck routing reduces transportation costs. Eliminate manual tank measurement.
- PROFIT & GROW**
 Add customers without having to add more trucks or drivers. Maximize gallons per drop or pick-up.
- IMPROVE SERVICE**
 Know when your customers' tanks need servicing before they do.

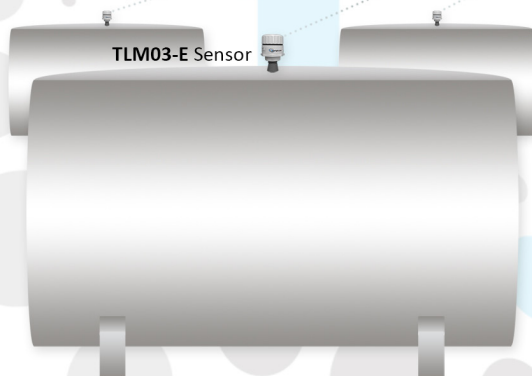


Eliminate Manual Tank Readings



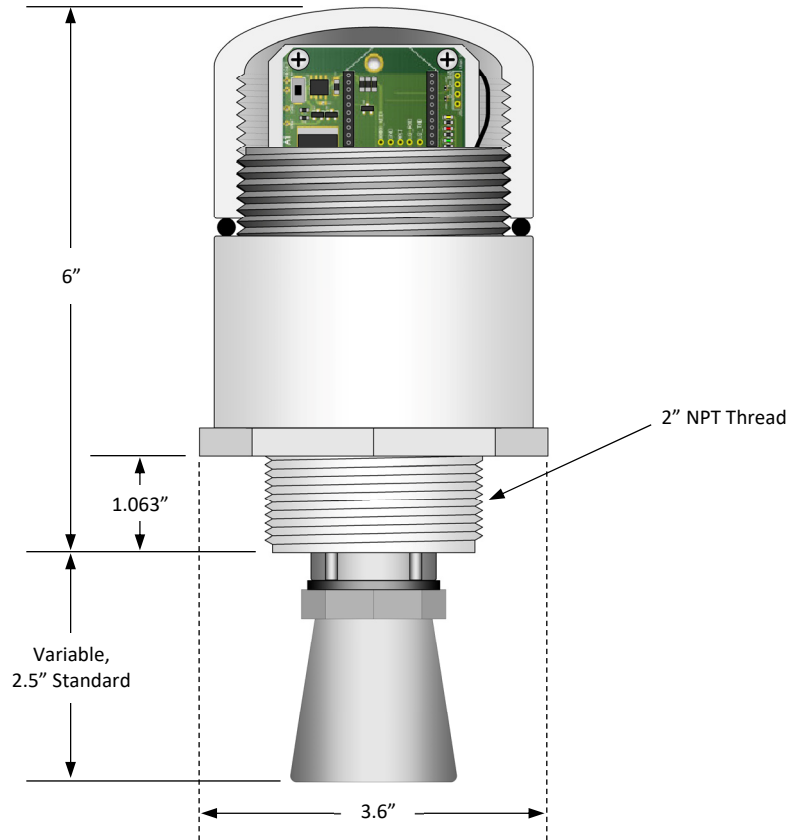
SYSTEM CONFIGURATION

BOA-FEE Back Office Access



Part No.	Description
TLM03-E	Ultrasonic sensor for Diesel with 4G LTE CAT M radio. Maximum tank height 23 ft.
BOA-FEE	Monthly service charge cellular data from sensor or gateway to cloud.

TLM03 SERIES SENSOR DIMENSIONS



SPECIFICATIONS	
General	
Measurement Method	Ultrasonic rangefinder
Data	Range reading, Battery voltage
Level Reading	
Range	Minimum Range ~8 inches, Maximum 25 feet (can be extended to ~34feet)
Resolution	0.39 inches (1cm)
Accuracy	Typical +/- 1-2" (Range reading is temperature compensated based on temperature probe inside the case)
Reading interval	Programmable
Calibration	Estimated gallons from depth in inches
Electrical	
Power Supply	4 Energizer L91 AA Lithium batteries
Radio Onboard	LTE Cat M with support for AT&T, Verizon, Bell, Telus <i>*gateway not required*</i>
Battery Life	Typical 2 years at 2 reports per day (may be affected by temperature, cellular connection/outages and reporting rate)
Environmental	
Operating Temperature	-40°C to 60°C (Limited only by battery specifications)
Certification	FCC