

1. What is Current Solution for Fuel Sensor?



Challenges:

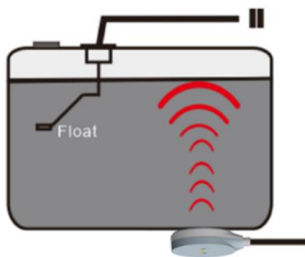


- *Draw Hole in Tank
- *Different Signal Range
 - 10~180ohm
 - 10~90ohm
 - 240~33ohm.....
- *Different Tank Height
- *Difficult to Match Fuel Gauge Signal

2. What is New Universal Solution for Fuel Sensor?

Model: UL212-F

Ultrasonic Fuel Level Sensor with Programmable Ohm Signal output



Programmable ohm signal output



All brands of fuel gauge

Features:

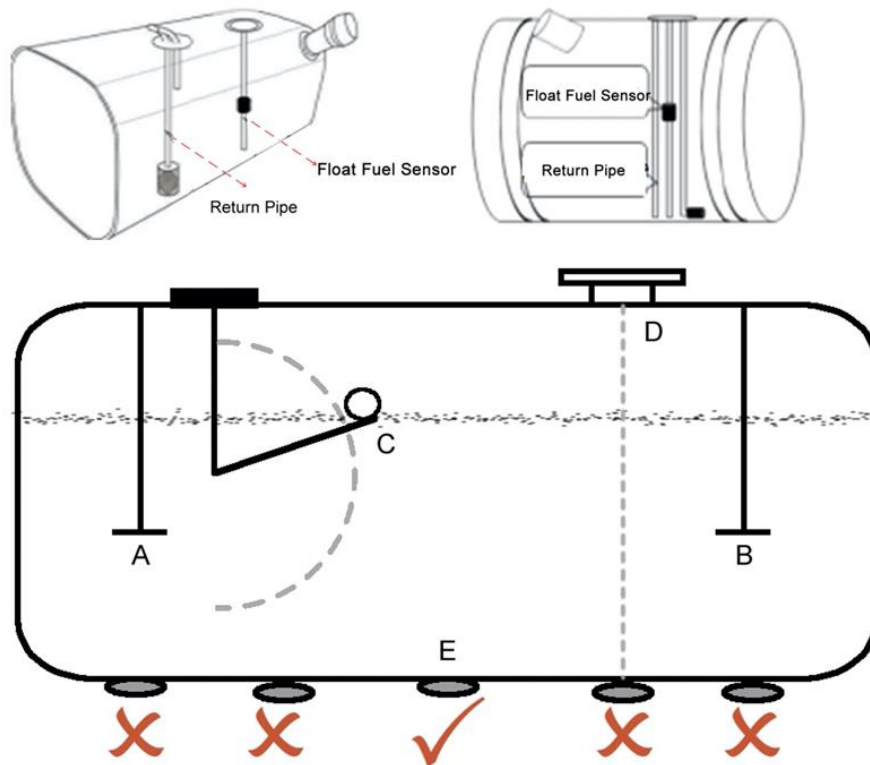
- *Programmable Ohm Signal Output
- *Non-Contact Installation Ultrasonic Technology
- *No need draw holes, No need cut tube
- *Universal for all type of tanks & fuel gauge
- *IOS/Android APP Diagnostic & Configuration via Bluetooth



Application:



3. How to Install Ultrasonic Fuel Level Sensor?

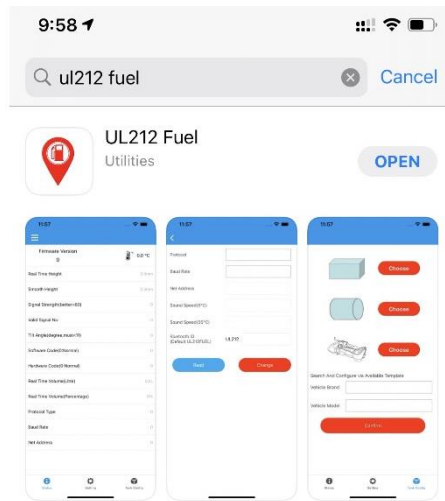


A,B: Original Tank Compartment
C: Original Tank Fuel Tube Float Range (Circle)
D: Refueling Port
E: Best Position for installation

Inject the AB Epoxy Glue on the probe, and mix AB glue for 20~30 second



4. How to Approve an Installation & Diagnostic?



Standard for best installation position

- A. Probe Show stable **GREEN** Light
(if flash red, you need hold and recheck other position)
- B. Mobile APP meets the following status:

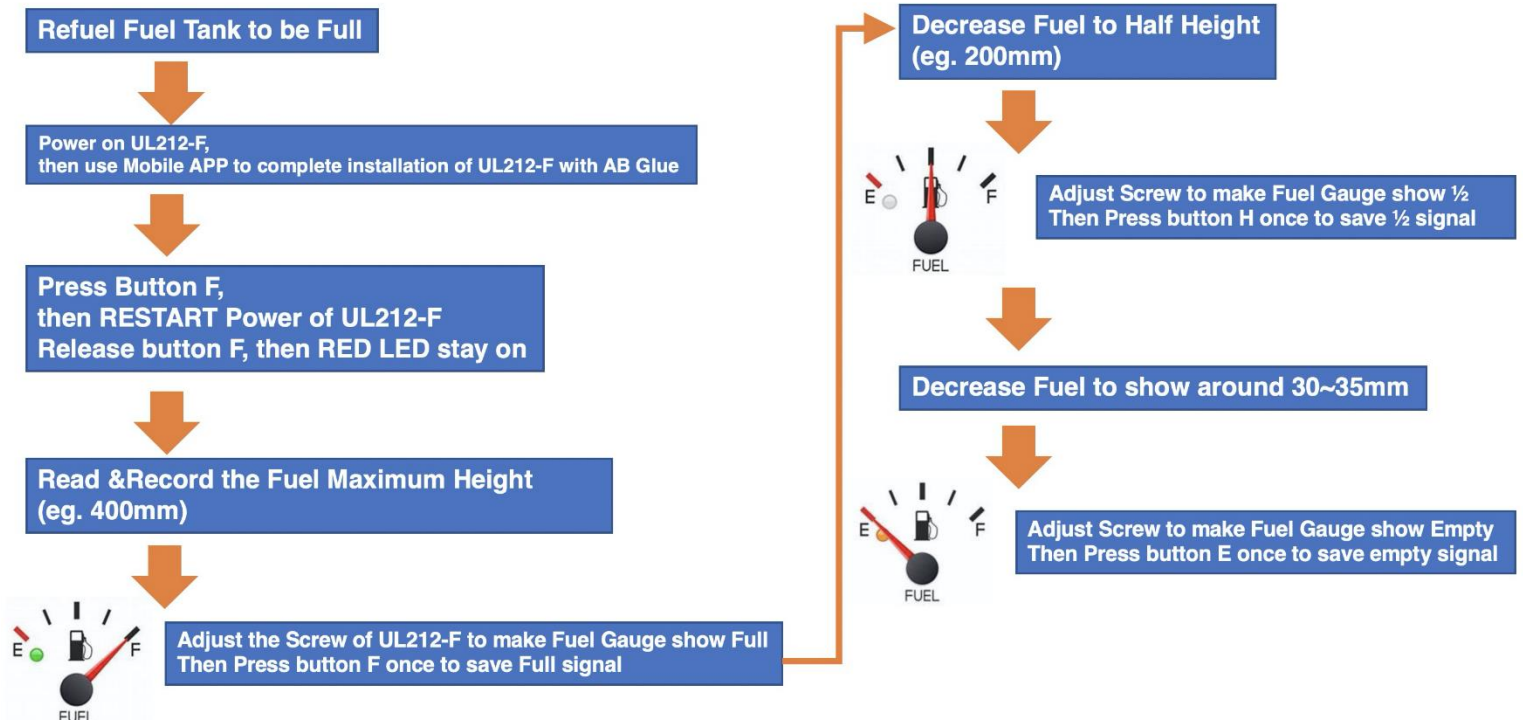
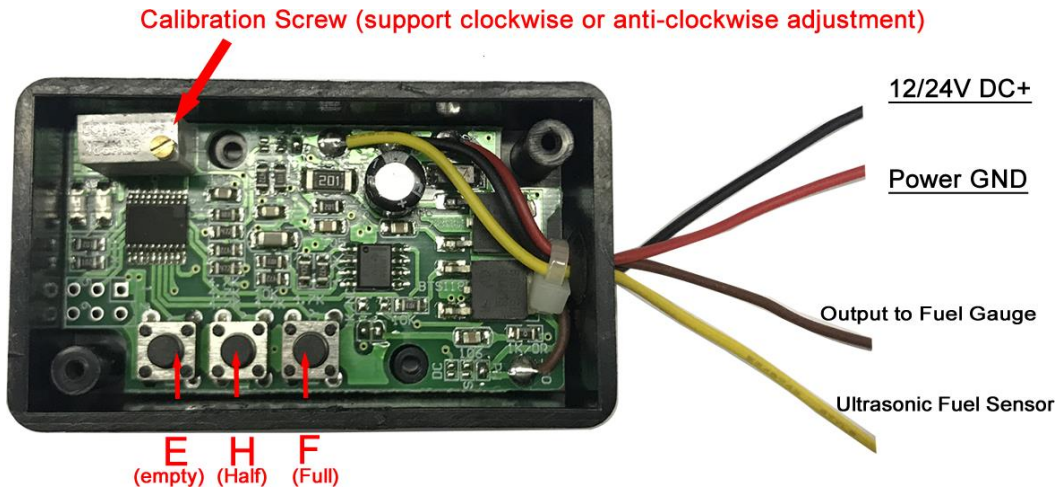


4:50	
Firmware Version	29
	38 °C
Real Time Height	1427mm
Smooth Height	1427mm
Signal Strength(better>60)	99
Valid Signal No	40
Tilt Angle(degree,must<)	4
Software Code(0:Normal,1:Error)	0
Hardware Code(0:Normal,1:Error)	0

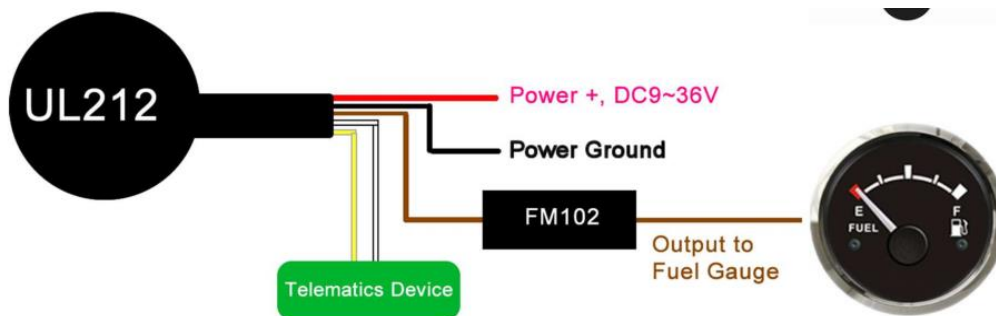


- Real Time & Smooth Value are stable & close to real height
- Signal Strength more than 10 or stable
- Valid Signal Quantity is stable, more than 20
- Tilt Angle is less than 11 Degrees

5. How to Program Ohm Signal Output to fit Original Fuel Gauge?



6. Cable Connection:



7. Features

- No Drilling Holes in Tank, Easy Installation
- Support Any Liquid: Diesel, Gasoline, Water, etc.
- Support Any Material Tank: Metal/Aluminum/Stainless Steel /Fiber/Plastic
- **Support All Brands of Fuel Gauge**
- **Resolution:** 0.1mm
- **Accuracy:** 99.5%
- **Maximum Measuring Range:** 100cm
- **Lowest Detection Height (Blind Area):** 3cm
- **Maximum Tank Thickness:** 8~12mm
- **Mobile App configuration &Calibration**
- **Built-in AI Algorithm to filter abnormal signal**
- IP68 waterproof

8. Specification

Parameter	Description
Power Supply	9~36V DC
Max Power Consumption	0.7W @12V DC
Measuring Range	3~250cm
Resolution	0.1mm
Accuracy	99.5% (0# Diesel or 95# Gasoline, 25°C)
Maximum Tank Thickness	<12mm
Extension Cable	9 meters
Working Temperature	-40~85°C (@1 ATM)
Working Humid	5~99%
Explosion-proof Class	Exd II CT5
Waterproof	IP68