

# GPS Tracker and ultrasonic fuel sensor Installation

## Before Installation:

For ultrasonic fuel sensor installation, we will need prepare glues, power bank and learn it in office before doing real installation on vehicle tank.

### 1 Preparation

**Silicone gel** for sensor head installation. Gel works as a medium between sensor head and tank bottom. The reason to use silicone gel is that it does not go hard or disappear after try.

**Video reference:** <https://www.youtube.com/shorts/gx06kMERYNY>

**A/B Mixer Glue** for sensor bracket installation. Mixer glue is very strong glue which is used for metal or plastic device installation. Once the glue dries, it becomes very hard and impossible to be removed.

**Video reference:** <https://www.youtube.com/shorts/H8r0d--cBml>

### 2 Sensor Test

Sensor test is to learn how sensor works. The test is composed of ultrasonic fuel sensor head, display (RS232 or RS485), a bottom of water (**above 10CM high**), a power bank (5V)

Connect display with sensor head, power display and sensor with a power bank (5V)

Put some water on sensor head (the white side). Water is sued as a medium.

Place a bottle of water on the sensor head.

Display first shows Fail. After the bottle is placed, it will show current water height in bottle.

**Video reference:** <https://www.youtube.com/shorts/QxWgFxAIq4I>

## Installation:

1 GPS Tracker: GPS tracker installation is same as normal GPS tracker.

2 Ultrasonic fuel sensor installation , please refer to

**Vehicle must be parked at a smooth and vertical place!!!**

**The tank installation spot must be smooth, vertical and clean, without obstacle inside tank!**

**Fuel amount left in tank must be above 10 CM.**

### A. User manual

<https://uniguardgps.com/wp-content/uploads/2014/03/4th-Ultrasonic-Fuel-Sensor-Installation-Manual-V1.2.pdf>

B. Installation Video on real tank Link <https://www.youtube.com/watch?v=Qz4T4FMwljQ>

## Connection:

GPS tracker and ultrasonic fuel sensor are connected with either RS232 or RS485 port. Just plug the socket together.

### Notes:

- 1 Power on ultrasonic fuel sensor first. **Wait for 5 mins.**
- 2 Plug sensor to GPS tracker socket
- 3 Power on GPS Tracker

### GPS Tracking Platform:

- 1 [www.gpspos.net](http://www.gpspos.net) Do not have detailed reports about fuel consumption
- 2 [www.gps51.com](http://www.gps51.com) One of the best for fuel monitoring

### Fuel Monitoring for vehicle with 2 tanks

<https://www.youtube.com/shorts/FqFkhMm6cC8>