# ULTRASONIC FUEL SENSOR

## Introduction & Tutorial

Version 1.0

## 1. Introduction

Ultrasonic fuel sensor is used for preventing fuel leakage and theft as it monitors the fuel level in real-time. When an abnormal change of fuel level is detected, an immediate alert will be sent to inform vehicle owners of that incident.

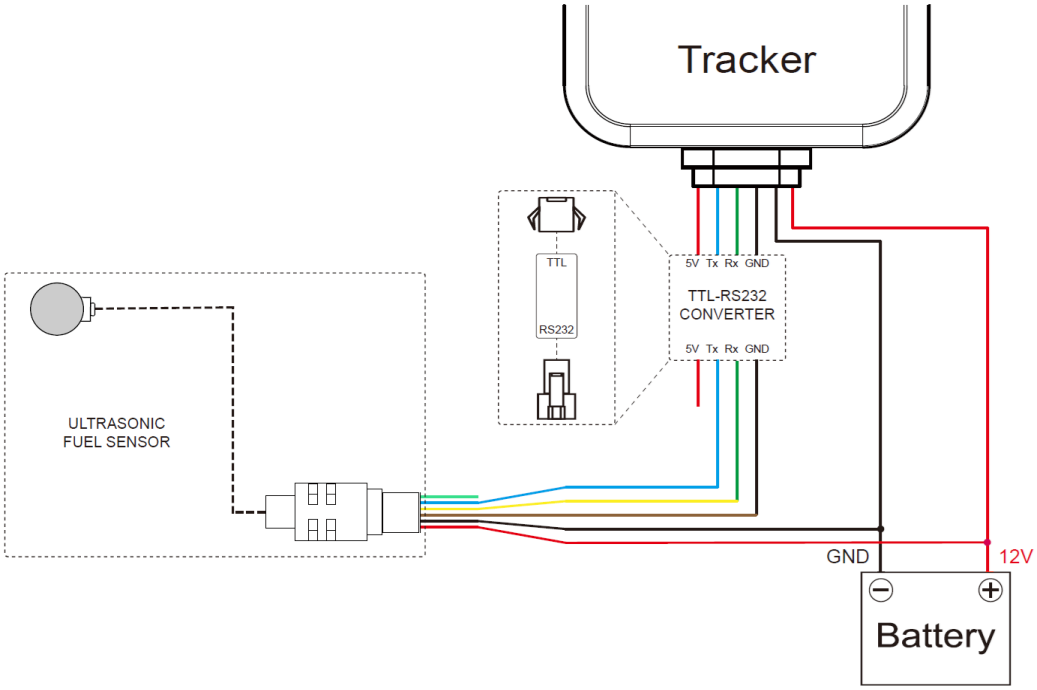
This ultrasonic fuel sensor is suitable for fuel tanks with a height of 5-100cm.

## 2. Picture


## 3. Specification

| | |
|---|---|
| Operating voltage | 9-36V DC (Normally 12/24V) |
| Working current | 14mA (24V) / 28mA (12V) |
| Communication interface | RS232 |
| Baud rate | 9600 |
| IP rating | IP65 |
| Working temperature | -40℃-85℃ (-30-75℃ recommended) |
| Installation position | Outside the bottom of fuel tank |
| Calibration | Unnecessary |

## 4. Wiring diagram




## 5. Supported devices

GT06E

X3

## 6. Command of GT06E & X3

Command: AIOIL,A,B,C#

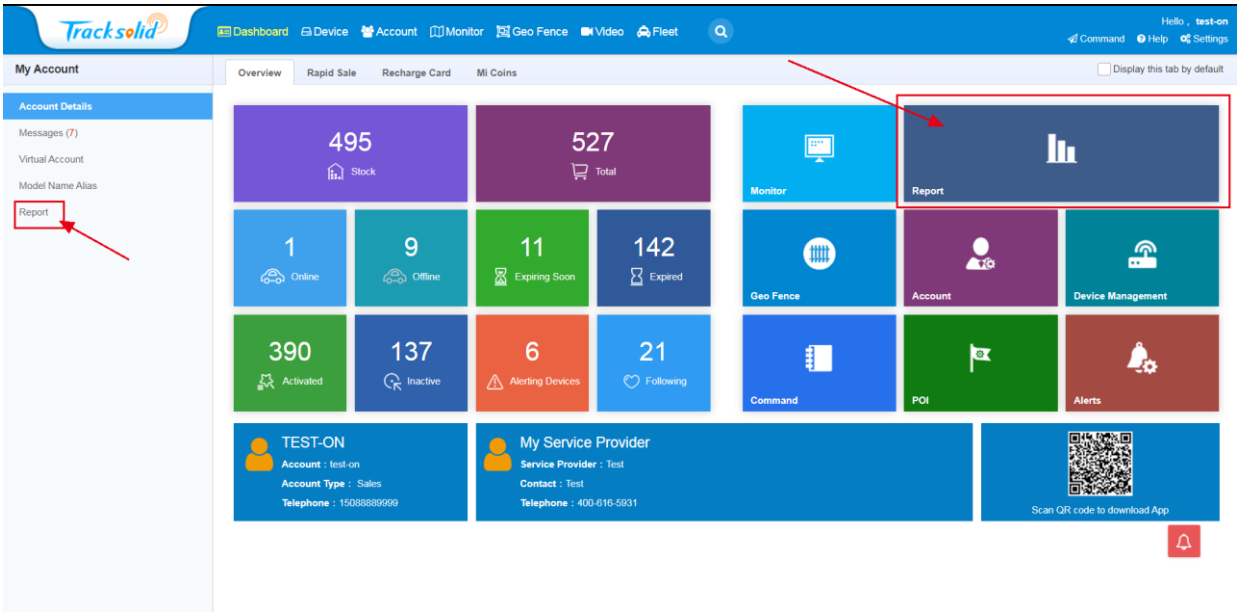
A=ON/OFF, turn on/off fuel monitoring function

B=0-65535 (unit: second), the time interval of uploading fuel data, default=150s.

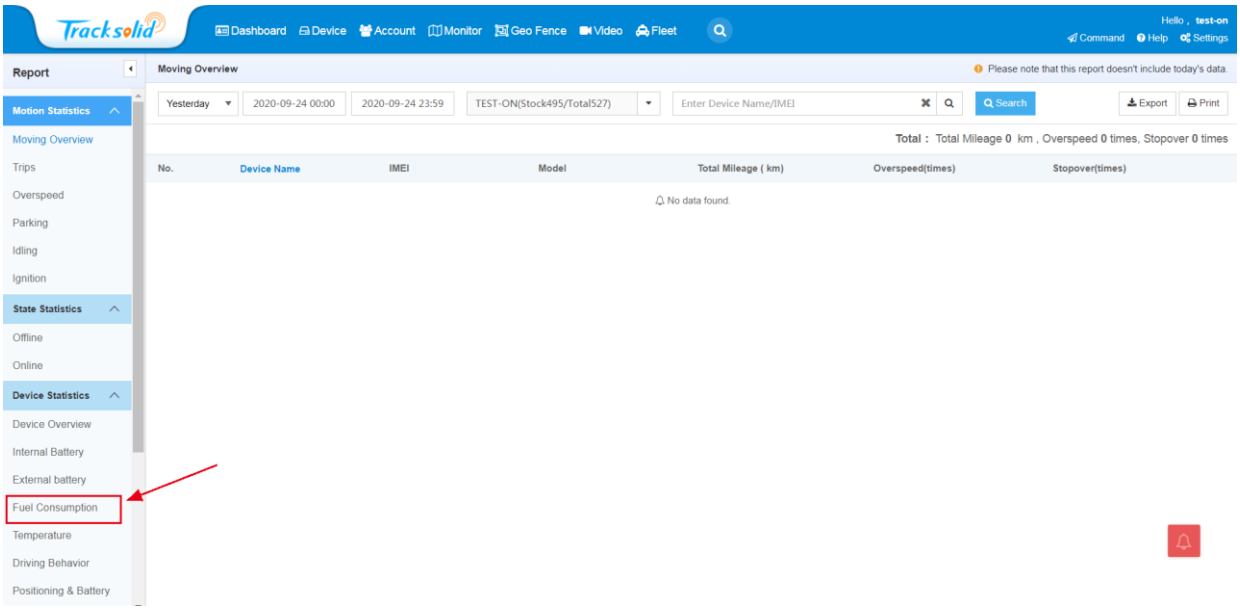
C=0-255, the ID of fuel sensor, default=2.

# 7. Platform

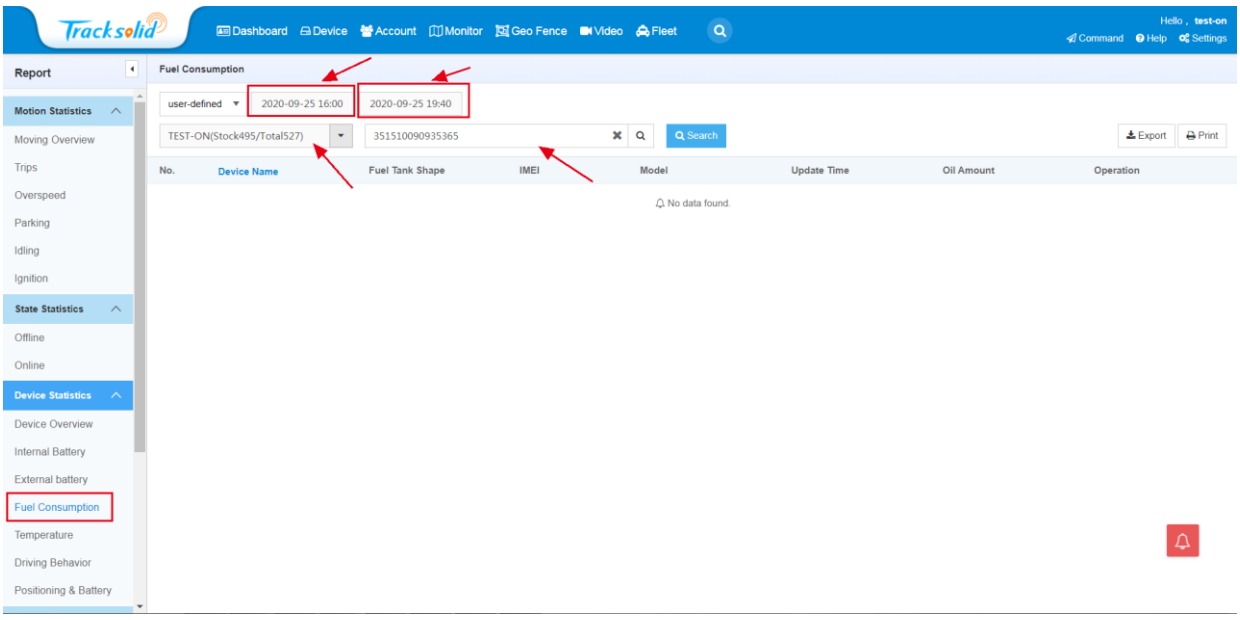
1) Click “Report” on homepage.



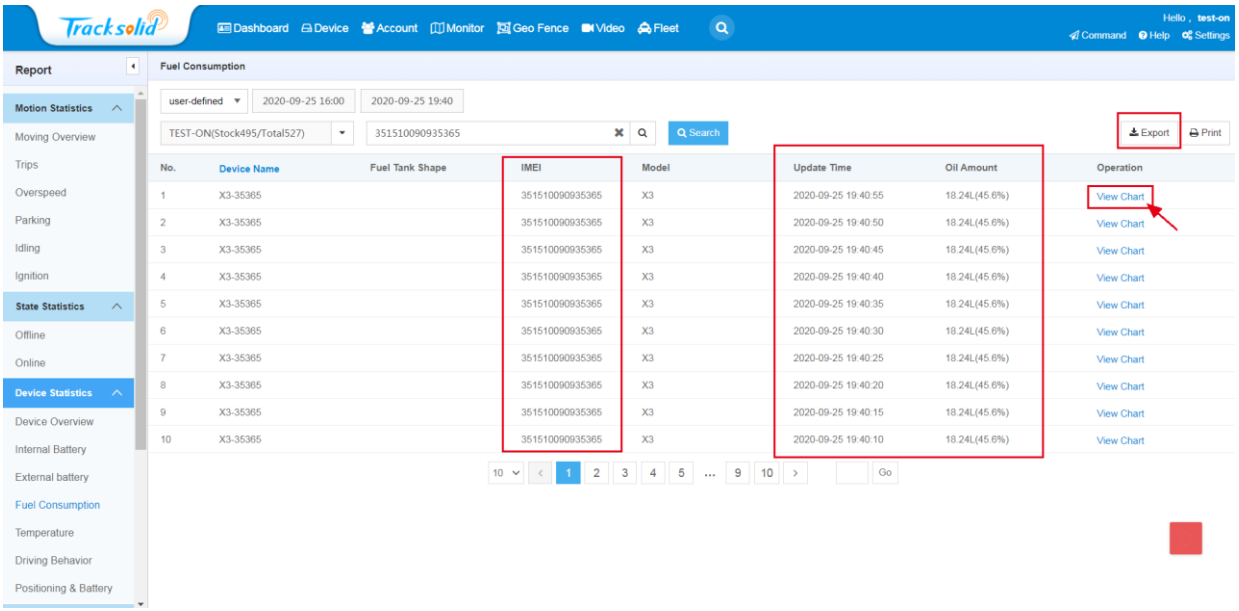

2) Click “Fuel consumption” on the left column.



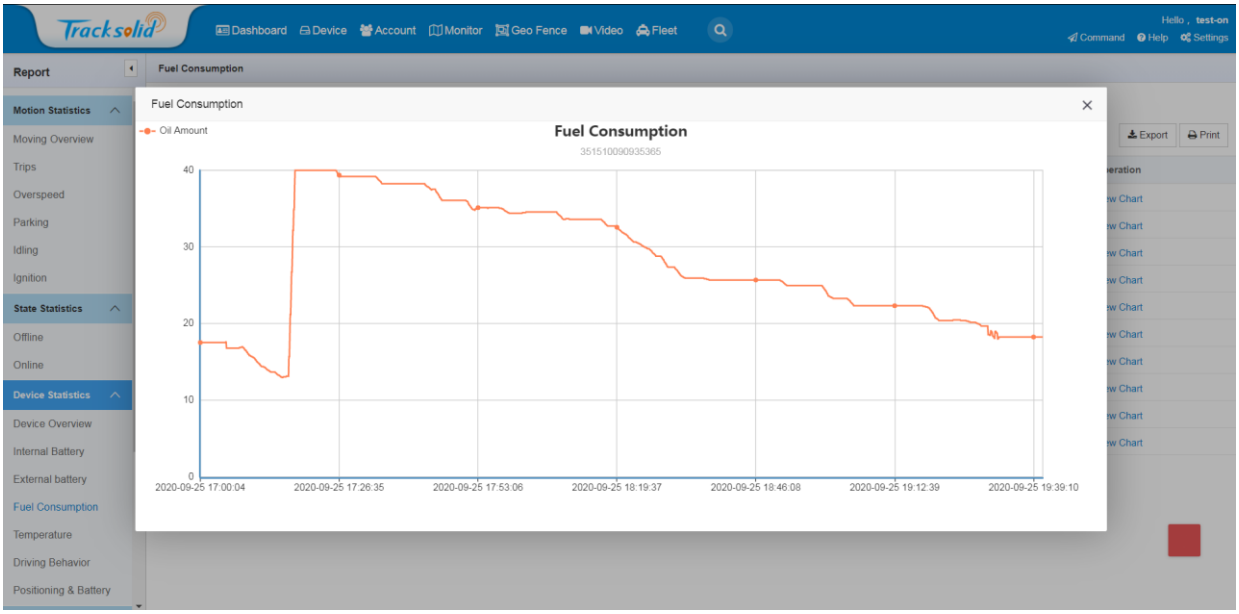

3) Select the account and time period and input the device IMEI number.



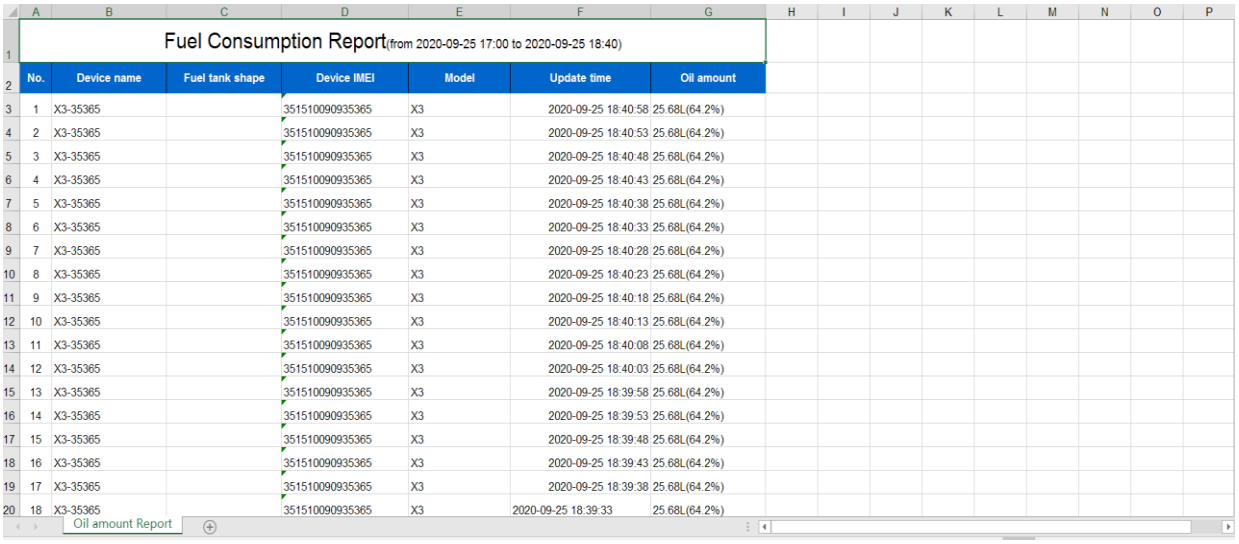
4) Click “View Chart” or “Export”,




5) Then you can view the fuel consumption graph.




6) Or export a fuel consumption report.



Fuel Consumption Report(from 2020-09-25 17:00 to 2020-09-25 18:40)

| No. | Device name | Fuel tank shape | Device IMEI | Model | Update time | Oil amount |
|---|---|---|---|---|---|---|
| 1 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:58 | 25.68L(64.2%) |
| 2 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:53 | 25.68L(64.2%) |
| 3 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:48 | 25.68L(64.2%) |
| 4 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:43 | 25.68L(64.2%) |
| 5 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:38 | 25.68L(64.2%) |
| 6 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:33 | 25.68L(64.2%) |
| 7 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:28 | 25.68L(64.2%) |
| 8 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:23 | 25.68L(64.2%) |
| 9 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:18 | 25.68L(64.2%) |
| 10 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:13 | 25.68L(64.2%) |
| 11 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:08 | 25.68L(64.2%) |
| 12 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:40:03 | 25.68L(64.2%) |
| 13 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:39:58 | 25.68L(64.2%) |
| 14 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:39:53 | 25.68L(64.2%) |
| 15 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:39:48 | 25.68L(64.2%) |
| 16 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:39:43 | 25.68L(64.2%) |
| 17 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:39:38 | 25.68L(64.2%) |
| 18 | X3-35365 | | 351510090935365 | X3 | 2020-09-25 18:39:33 | 25.68L(64.2%) |

Oil amount Report