LLS Sensor User Guide

Applicable Model: T622

Change History

File Name	LLS Sensor User Guide	Created By	Owen Cheng
Project	T622	Creation Date Update Date	2015-10-27 2016-12-06
Subproject	Accessory User Guide	Total Pages	8
Version	V1.0	Confidential	External Documentation

Contents

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2 Product Functions and Specifications

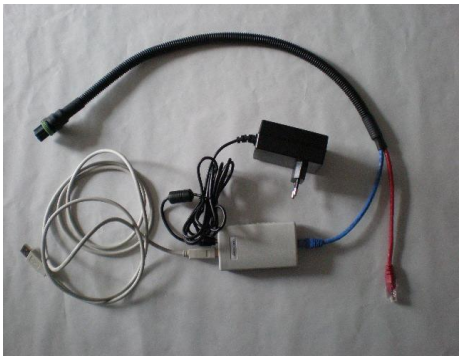
2.1 Product Functions

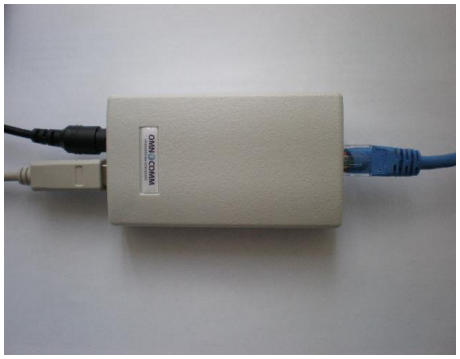
- Measure fuel tank's fuel consumption.
- Detect an alarm when the fuel level is too high.
- Detect an alarm when the fuel level is too low.

2.2 Specifications

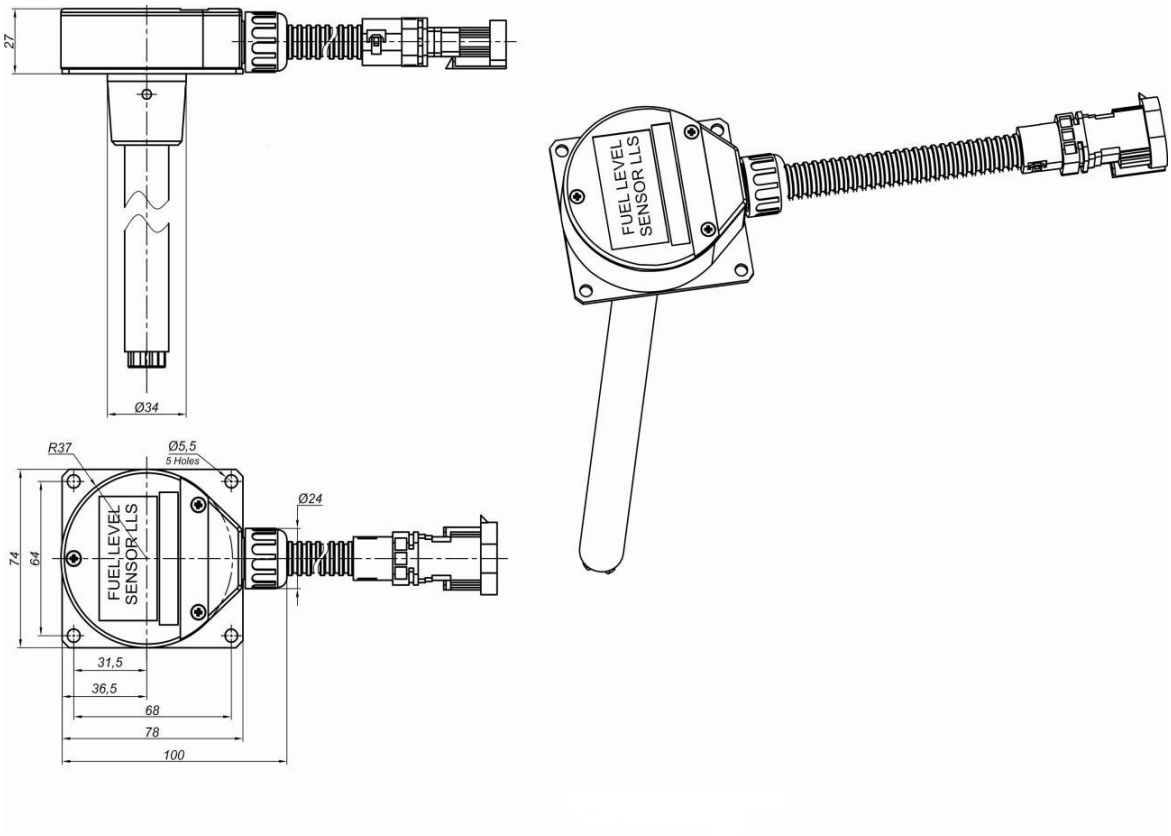
Please refer to the LLS Sensor User Guide provided by the manufacturer.

3 Main Device and Accessories



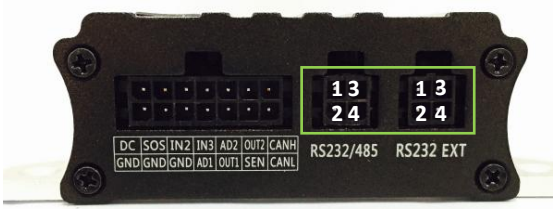


4 View



5 T622's Dedicated Port

T622's dedicated ports connecting to the liquid level sensor (LLS) are as follows:



Pin Number	Color	Description
1	Reserved	
2	Black	Ground wire
3	Green	RX, T622 receives data from the LLS.
4	White	TX, T622 sends data to the LLS.

Plug the LLS cable (RS232) into T622's dedicated port (RS232 EXT or RS232/485).

6 Using the LLS

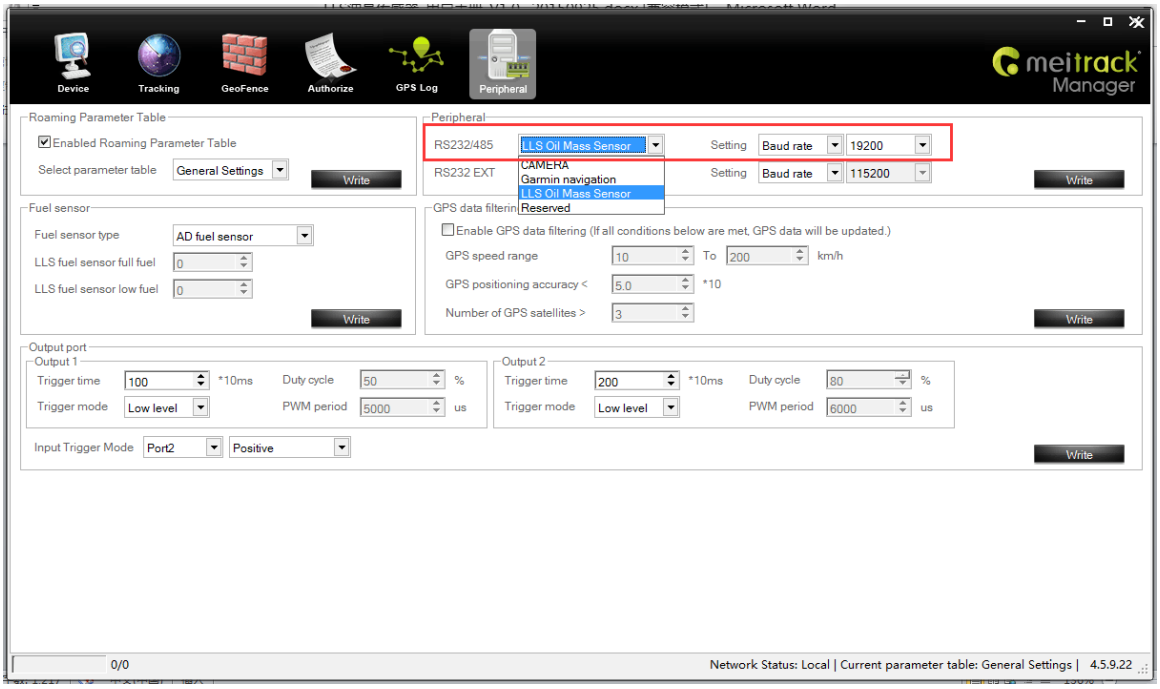
Before using the LLS, follow the following instructions.

6.1 Calibrating the Sensor and Setting Value N

Please refer to the LLS Sensor User Guide provided by the manufacturer.

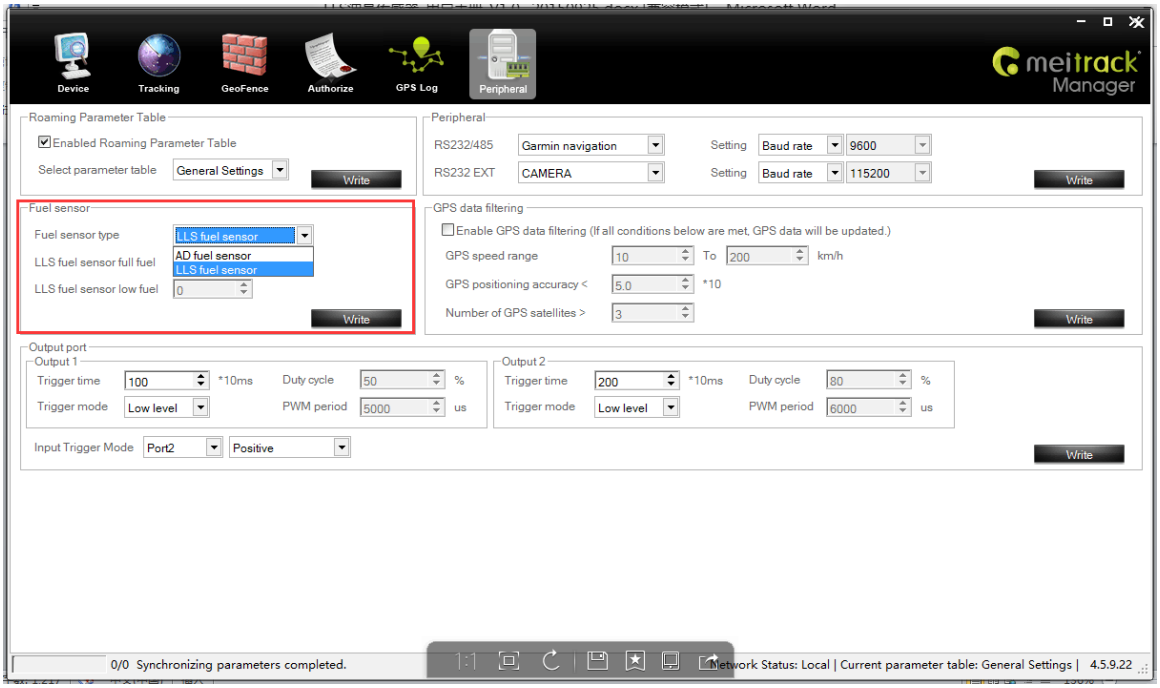
6.2 Configuring the T622

1. Open Meitrack Manager, and choose **Peripheral** tab page to set the serial port and baut rate.



Please select corresponding port according to the physical port. In this example, use RS232/485.

2. Select a fuel level sensor, and set full fuel value *N* and low fuel value *N*.



Note: When the measured fuel value reaches the preset full fuel value *N*, a full fuel alert will be generated; when the measured fuel value is lower than the preset low fuel value *N*, a low fuel alert will be generated.

7 LLS Data

LLS data: LLS number + LLS temperature + LLS value *N* + LLS frequency

A GPRS data packet with LLS information is as follows:

*$$C168,866699027509233,AAA,53,22.513608,114.057171,150828023604,A,8,0,0,277,1.2,27,257,55062,0|0|0000|00000000,0000,0000|0000|0000|019E|05F8,,,3,0000,,15,15,031C07D0082F*65*

031C07D0082F is LLS data in hexadecimal format.

LLS Data	Description	Example
LLS number	LLS data contains 12 hexadecimal characters. The LLS number indicates the highest two characters.	03
LLS temperature	The LLS temperature (range: -127°C to 127°C) indicates the eighth and ninth characters (read from right to left).	1C (that is, 28°C)
LLS value *N*	Indicates the fourth character to the seventh character. Value range: 0000–FFFF.	07D0 (that is, 2000)
LLS frequency	Indicates the zero character to third character. Value range: 0000–FFFF.	082F (that is, 2095)

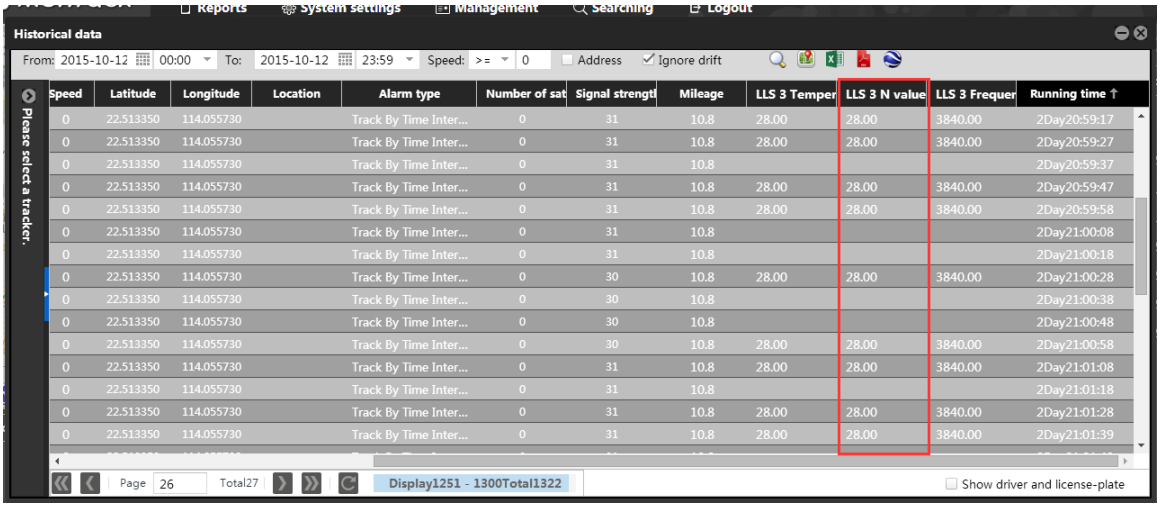
8 Querying Reports on MS03

8.1 Historical Data Report

1. On the MS03 main interface, choose **Reports**.

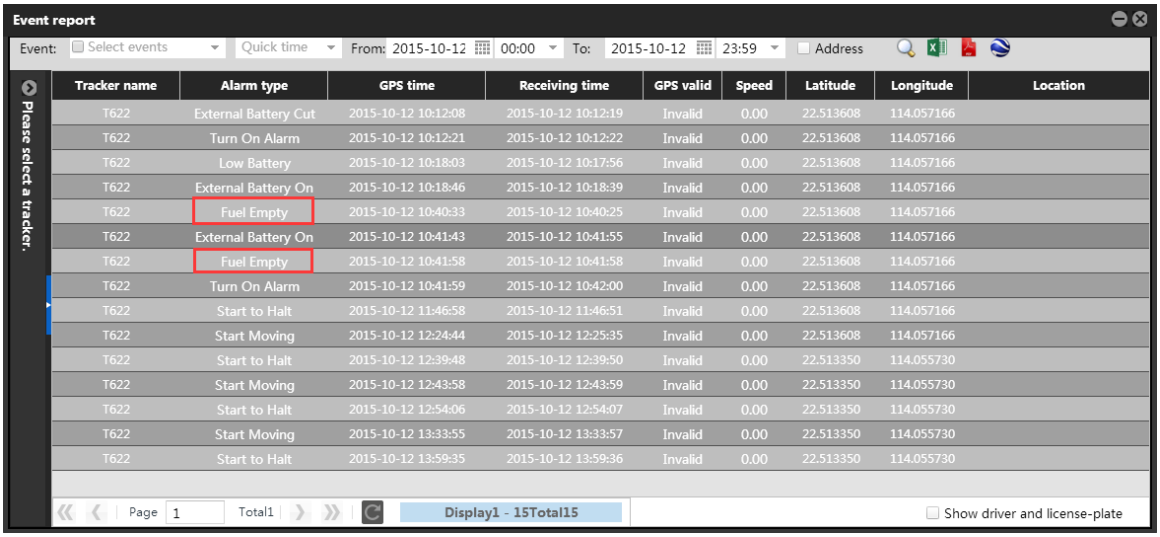
2. On the **Reports** window that is displayed, select **Historical data** from **Use Normal**. The **Historical data** window is displayed.

3. Select a tracker, set the query time, and click  to query LLS value *N*.



8.2 Event Report

You can read full fuel or low fuel alarm events from an event report.



If you have any questions, do not hesitate to email us at info@meitrack.com.