

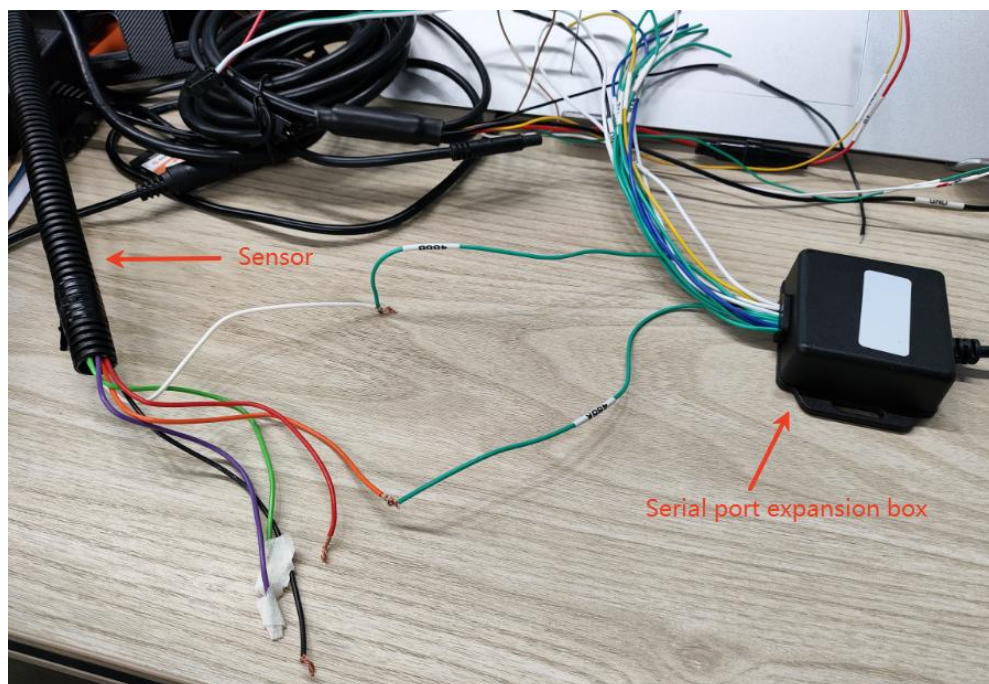
Escort Capacitive Oil-Level Sensor Wiring and Configuration

Sensor Model	Type	Note
TD-150	RS485	Devices using RS232 require an additional serial expansion box (MC-B001)
TD-600	RS232	

1. TD-150 Sensor Wiring

1) TD-150 Sensor RS485 Expansion Module Connection

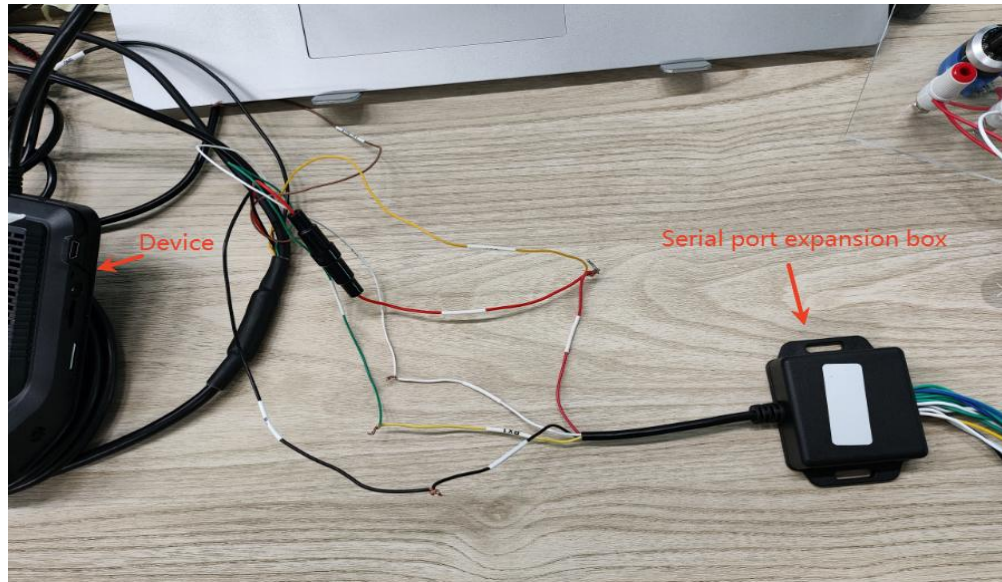
The TD-150 Sensor Line A is connected to the Serial Expansion Box 485A and the TD-150 Sensor Line B is connected to the Serial Expansion Box 485B.



2) Wiring the device to the serial expansion box

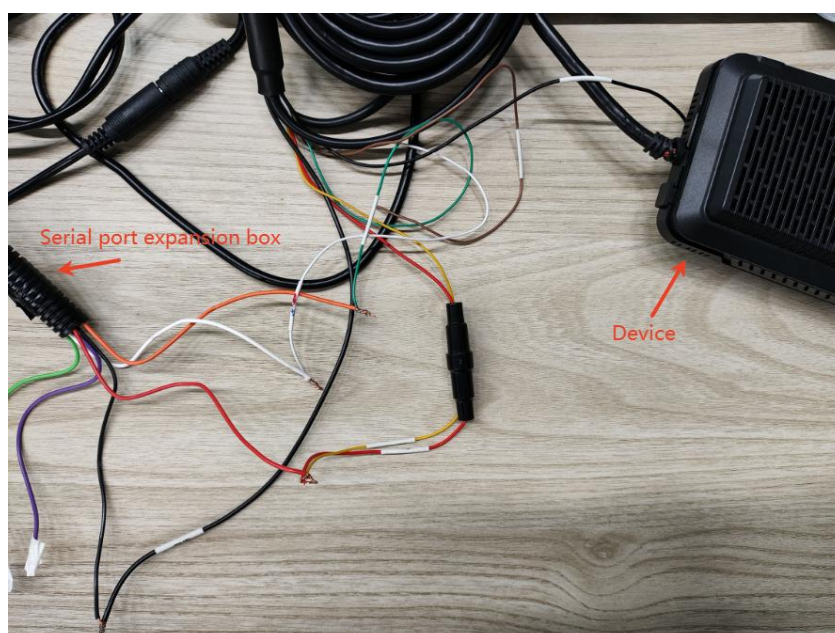
Serial expansion box TX is connected to device TX, serial expansion box RX is connected to device RX, serial expansion box.

GND is connected to device GND, and serial expansion box B+ is connected to device B+ ACC.



2. TD-600 Sensor Wiring

The TD-600 sensor TX is connected to the device TX, the T-600 sensor RX is connected to the device RX, the T-600 sensor GND is connected to the device GND, and the T-600 sensor B+ is connected to the device B+ ACC.



3. Device Peripheral Configuration

Once the device is connected to the peripheral, use MXtool to configure the power supply of the device and the peripheral.

1) MXtool > Setting > Peripheral > COM1

<

COM1

peripheral

Function	ExternBox	>
Type	232	>
Baud Rate	115200	>
Data Bit	8	>
Stop Bit	1	>
Parity	None	>

Save

Extern

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2) Extern > COM4-485

<

COM4-485

peripheral

Function	Oil-LLS	>
Baud Rate	19200	>
Data Bit	8	>
Stop Bit	1	>
Parity	None	>

Save

3) MXtool > Setting > Serial information

<

Serial Information

Name

COM1

Function

ExternBox

Status

normal

Remarks

Name(Extern Serial)

COM2

Function

Close

Status

abnormal

Remarks

Name(Extern Serial)

COM3

Function

Close

Status

abnormal

Remarks

Name(Extern Serial)

COM4

Function

Close

<

Serial Information

Status

abnormal

Remarks

Name(Extern Serial)

COM3

Function

Close

Status

abnormal

Remarks

Name(Extern Serial)

COM4

Function

Close

Status

abnormal

Remarks

Name(Extern Serial)

COM5

Function

Oil-LLS

Status

normal

Remarks

4. MettaxIoT Platform configuration

1) Devices > IMEI > Search > Edit

DashboardCustomersUsers**Devices**MonitorVideoReports17:00:49(UTC+08:00)👤🔍📄🔔liaower

Devices

IMEI5679

ModelSelect

Device NameEnter device name

LabelSelect

Activation Time📅Start dateEnd date

Device statusSelect

PhonePlease enter your phone num

☐ Include sub-customer data

🔍 Search

🔄 Reset

Sell DevicesExportBatch CommandsBatch UpdateAddAdd Devices in BulkLicense BindingTag Management

No.	Device Name	IMEI	Model	Activation Time	Expiration Time	ICCID	Assigned customer	Operation
1	MC202-75679	940077775679	MC202	2024-11-26 19:35:08	2035-01-25	-	DevTest	🔍 EditCommand

2) Sensor Configuration > Add Sensors

MC202-75679(940077775679)

Basic Information

Calculation Rules

Sensor Configuration

License

Data

Daylight Saving Time

Add Sensors

3) Edit

MC202-75679(940077775679) ×

Basic Information

Calculation Rules

Sensor Configuration

License

Data

Daylight Saving Time

Add Sensors

No.	Sensor No.	Sensor Name	Sensor Type	Sensor Model	Calculation(L)	Operation
1	1	ADC-F	Fuel	MFS-300A-Analog	Voltage Calibration(0.001)	EditDeleteSync

Sensor Configuration ×

Basic Information

* Sensor No.

1

Send

* Sensor Name

ADCTest

* Sensor Type

Fuel

▼

* Sensor Model

MFS-U02-RS232

▼

Sensor Information

Fuel Tank Shape

Cylinder

▼

Fuel Type

Petrol

▼

Fuel Tank Height(mm)

* Maximum Liquid Level(mm)

Save

Sensor Configuration



Fuel Tank Height(mm)

Please enter the height of the fuel tank

* Maximum Liquid Level(mm)

1000

Fuel Tank Capacity(L)

Please enter the fuel tank volume

* Maximum Fuel Volume(L)

1000

* Calculation(L)

Liquid Level Calibration(0.1)

Calibration Rules

					Add
No.	Comparison	Comparison Value(mm)	Calibration Value(L)	Operation	
					Save

Sensor Configuration



Calibration Rules

					Add
No.	Comparison	Comparison Value(mm)	Calibration Value(L)	Operation	
1	<=	0	0	Delete	
2	<=	1000	100	Delete	
					Save

5. Report query

Reports > Add

MettaX IoT

Dashboard

Customers

Users

Devices

Monitor

Video

Reports

19:26:07(UTC+08:00)

 liaowenbin

My Report

My Report

My Report

Auto Report

Report

Time Range: -



Track Details_20250305163012

Report Type: Track Details

Time Range: This week



Track Details_20250305161656

Report Type: Track Details

Time Range: This week



Track Details_20250228155408

My Report

* Report Type

Fuel Consumption Report

* Report Name

Fuel Consumption Report_20250323192455

* Device

+

MC202-87395

Fuel Quantity

Select

Please enter the fuel quantity

Cancel

Search

Save

Fuel Quantity

* Device

+

MC202-75679

Fuel Quantity

Select

Please enter the fu

Search

Reset

Export

No.	Device Name	IMEI	Time	Location Type	Remaining Fuel Quantity	Operation
1	MC202-75679	940077775679	2025-03-23 17:13:46	GPS	0 L	History

10/page

Total 1

<

1

>

Go to 1