

Feature

- Plastic and aluminum alloy material, light weight and low cost
- Simple and strong structure, anti-vibration
- Reed switch, steady output signal
- Long using life, wear resistance
- Without limitation of environment
- Length can be customized

Applications

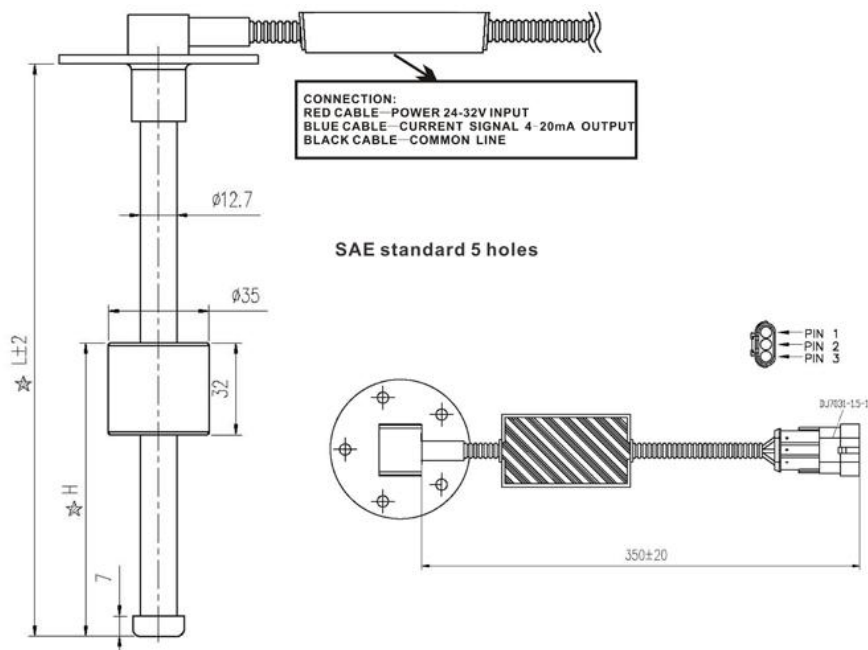
- Fuel tank
- Water tank
- Truck fleet management
- Yacht
- Uses a wide range of automotive, marine, engineer machinery, chemical tank and pipeline sewage tank.



Description

Fuel level sensor is widely used in fuel, water, kerosene, chemical tanks and suitable for truck, generators/gen set, bus and marine field. With the electromagnetic induction principle, it can output signal stably and continuously. The sensor uses plastic and aluminum alloy material and has the characteristics of light weight and low cost.

Dimension



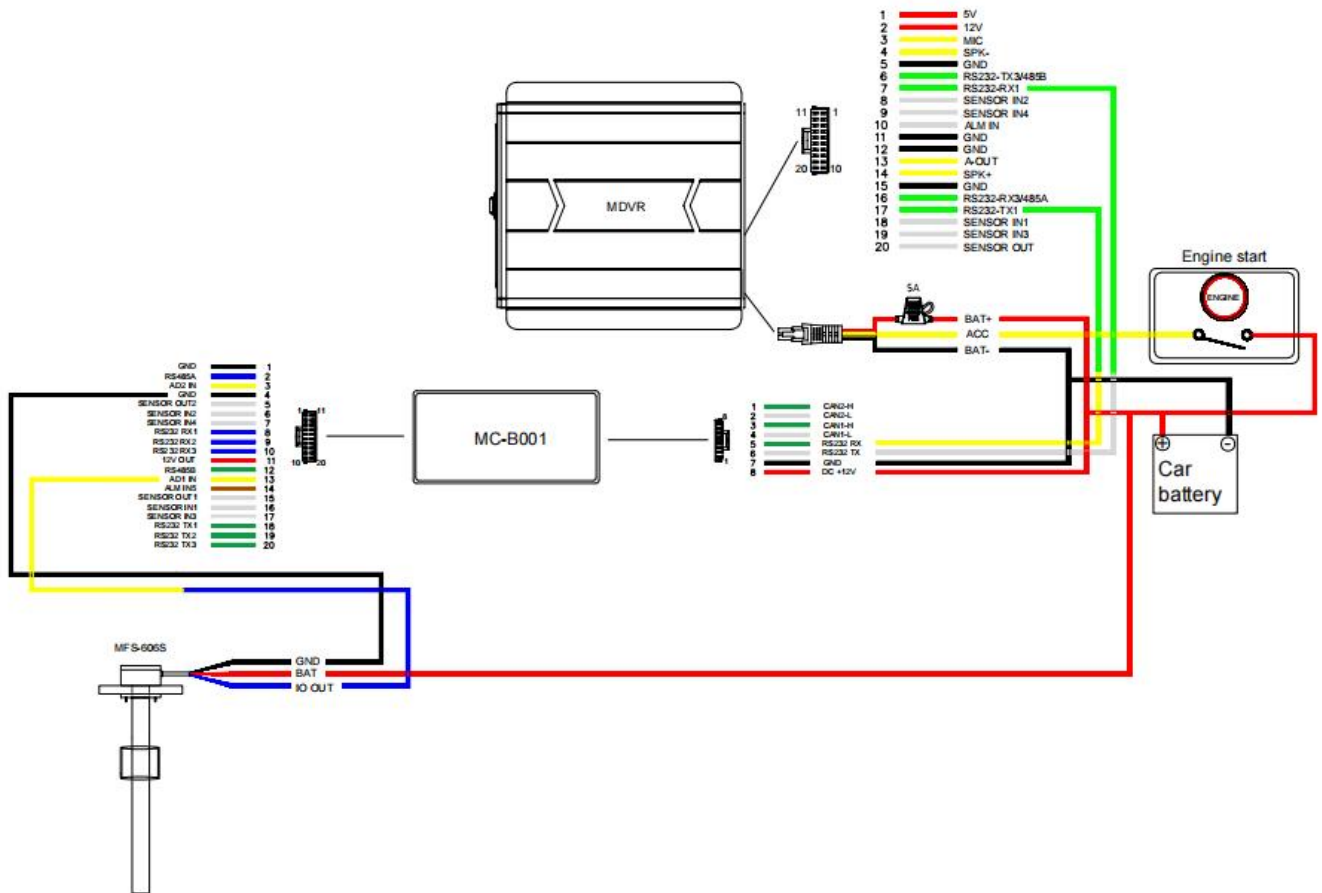
Specifications

Material	Plastic and Aluminum alloy	
Length range	100 to 2,000mm for standard (can be customized)	
Installation	SAE standard 5 holes	
Flanges	Various types of flanges are available for fitting fuel tank if necessary	
Mounting	5 pieces of M5 screws and 2 mm thick NBR gasket, or recommended 2 mm thick FPM gasket if be used in gas tank.	
Connector	Brand Delphi, Tyco or others is available according to customer's Requirement	
Supply voltages	10 to 32V	
Rated current for alarm switch	500mA	
Output signal	Resistance range	0 to 190Ω
	Voltage range	0.5 to 4.5V or 0 to 5V (can be customized)
	Current range	0 to 20mA or 4 to 20mA
Operating temperatures	- 40 to 85°C	
Protection rank	IP65	
Option	high/low alarm	
Resolution range	10 to 40mm	

MFS-300A and MC-B001 Wiring and Main Unit Connections

The IO OUT of the MFS-300A connects to the AD1 of the MC-B001. The GND of the MFS-300A connects to the GND of the MC-B001. The BAT of the MFS-300A connects to the B+ power supply.

Connect the RX1 of MC-B001 to the RS232-TX1 of the host unit. Connect the TX1 of MC-B001 to the RS232-RX1 of the host unit. Connect the BAT+12V of MC-B001 together with the BAT+ of the host unit to the B+ of the power supply. Connect the GND of MC-B001 together with the GND of the host unit to the GND of the power supply.



Dashcam & MDVR Host Configuration

After completing the wiring, power on the main unit and accessories, connect your mobile phone to the main unit's Wi-Fi, and use the configuration app (MCTool) to configure the parameters. The specific configuration is as follows:

① MCTool > Setting > Peripheral > COM1

Function selected as ExternBox

Type selection is 232

Baud rate selected as 115200

Others remain as default values.

<

COM1

peripheral

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

Save

Extern

② MCTool > Setting > Serial Information
Check whether the status of COM1 is normal.

< Serial Information	
Name	COM1
Function	ExternBox
Status	normal
Remarks	