

one Accessories and Installation Tools

project	instruction	Remark
Products and Accessories	See the packaging for details of products and accessories, and use the reference specification	Please check whether the accessories are complete
installation tool	Display board, power bank	Installation must bring
Installation accessories	Sandpaper or sander, wipes, cable ties, alcohol	Alcohol is used to remove grease or butter

Note: Please check the tools and accessories before installation, and understand the installation process. If you do not understand, please contact us in advance!

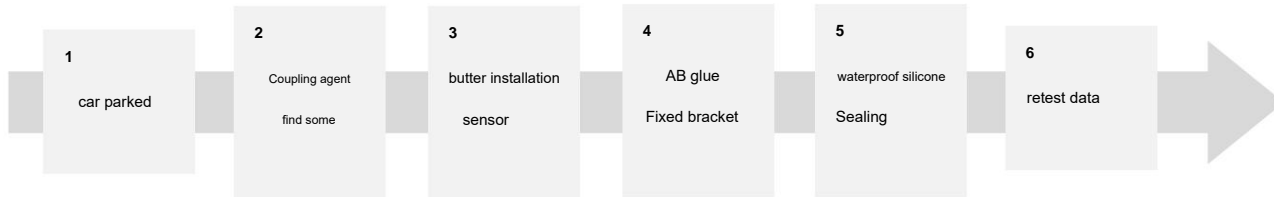
two Dashboard Instructions

Mode Display Status Unit Mode Switching Method	Installation Successful Prompt	Installation failure prompt
A long light shows mm	Boot default	Display real liquid level value Display FAIL or dead zone value
Two jumps to display mm black button long press for 5s to	display the real liquid level value display FAIL or blind zone value	

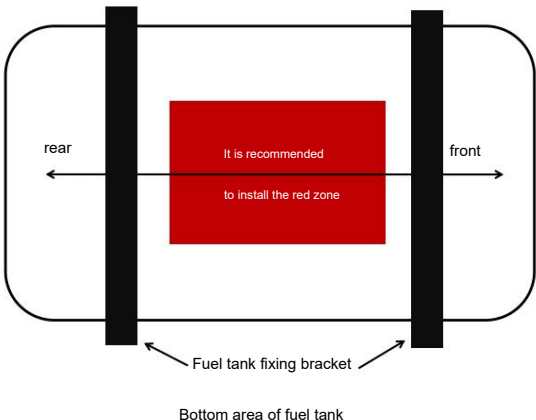


1. Blind zone value: the conventional fuel tank displays a value of <60, and the construction machinery fuel tank or tank displays a value of <120;
2. FAIL: The liquid level is not measured;
3. It is best to install Mode 1 and Mode 2 successfully at the same time, and Mode 1 can also be successfully installed.

three Installation process and method



1. Precautions before installation



- (1) Horizontal angle: the car is parked, and the horizontal inclination angle of the fuel tank is less than 4 degrees;
- (2) Oil level height: conventional oil tank>6cm, construction machinery, marine oil tank, It can be installed only when the liquid level in the tank is >12cm;
- (3) Avoid areas: oil pump, oil float, heating pipe, oil tank partition, oil obstacles such as poles;
- (4) Installation area: the installation point is as close as possible to the middle of the bottom of the fuel tank;
- (5) Mounting surface: flat, paint, rust, coating polished off, dirt, Clean up the oil stains to ensure that the bracket AB glue does not fall off.

2. Find the couplant

This step is for the aluminum fuel tank!



Attach one more sealing ring (accessory) to the sensor: if the couplant finds a point, it will be retained in subsequent installations; if the couplant cannot find a point, remove a sealing ring.

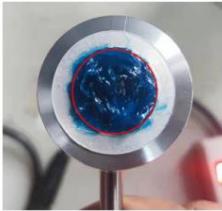


The couplant is fully coated in the red circle shown in the figure.

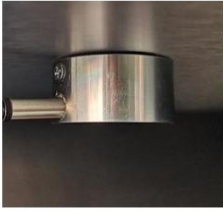


1. The display board judges whether the point is found successfully; 2. The area where the installation point is found is wiped clean, and the iron fuel tank is polished clean.

3. Butter Mount the Sensor




1. Clean the couplant on the sensor surface; 2. Fill the red circle with butter.




1. After the sensor is pressed tightly against the fuel tank, it cannot be absorbed; 2. After the installation is successful, do not move the sensor.

Installation failed (thin iron fuel tank will encounter)

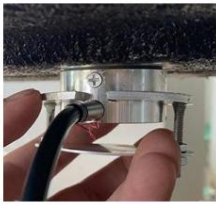


1. Rotate the sensor in situ until the display board reads the real liquid level value; 2. If the installation is unsuccessful, change the position and continue to rotate until the real liquid level is read.

4. AB glue fixing bracket



1. Mix AB glue 1:1 evenly and apply it evenly to the bracket; 2. The glue should not be applied inside the red line.



1. Fit the bracket as shown in the figure; 2. After the glue of the bracket solidifies (5-6 minutes at normal temperature, 10 minutes at low temperature), then tighten the upper and lower screws.

5. Waterproof silicone seal

Standard diagram after installation: 1. The gaps and screws on the inside of the sensor and the bracket are sealed with waterproof silicone; 2. Apply AB glue on the outside of the bracket to reinforce the bracket; 3. The display panel continues to display the real liquid level, and the installation is successful.



Four Line order definition

Line order definition	(1) Black-ground wire; Red-positive pole (pay attention to distinguish 5V and 9-36V power supply); (2) Yellow-TX /B /0-5V analog, connect to user equipment RX/B/voltage analog terminal; (3) Green-RX/A/4-20mA analog, connect to the TX/A/current analog terminal of the user equipment.
Precautions	(1) The wiring should strictly follow the wiring sequence, otherwise the sensor will be easily damaged when the communication line is connected to the power line; (2) The sensor extension line should avoid strong magnetic parts such as motors; (3) The extension line should be fixed firmly and avoid the Trachea, drive shaft, lifting position, etc., to avoid wear and tear.