

FEATURES

DC 5V ± 0.3

Supply Voltage

0~35 cm 95# Gasoline
Configurable

Measuring Liquid Level Range

46.3g

Weight

-20°C~ 50°C

Working Temperature

3.3V 50Hz

PWM:Output Data

0%-1100us
100%-1900us

Minimum Liquid Level

**Water/Oil/Gasoline/Diesel/
Jet Fuel/Agriculture Chemicals etc**

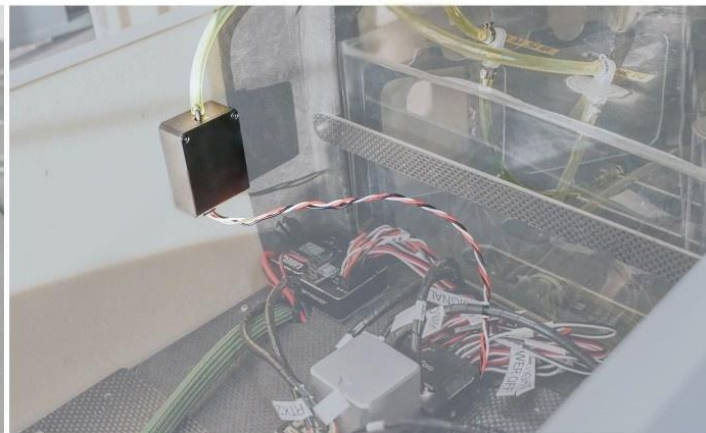
Liquid Types

48*35*20mm

Size

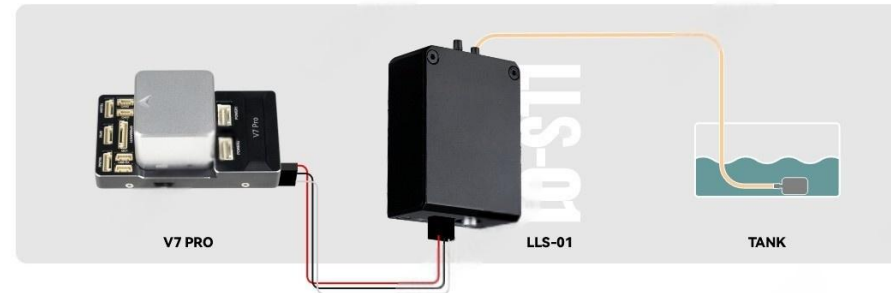
**Equipped with
Advanced Sensor**

Connection Diagram to Liquid sensor & Interface Details



Simple Integration

Connect the Liquid Sensor's PWM wire directly to the PWM port on the flight controller. Attach the Liquid Sensor's nozzle to the UAV's oil tank.



PWM

Output 3.3V 50Hz, minimum liquid level 0%~1100us 100%~1900us

5V

5V power supply port

GND

Ground port

Calibration Button

Used to calibrate 0% empty liquid level and 100% full liquid level.



Air Pressure Balance Nozzle

Balances atmospheric pressure to obtain the true differential pressure of the liquid level.

Air Nozzle

Connects the hose to the sinker and places the sinker into the liquid to be measured. To prevent the liquid from entering the sensor through the hose, it is recommended to install this module above the container.



LLS-01

Calibration Details



Initial Calibration

When powered on, the button status indicator light remains on.



Calibrate 0% Empty Liquid Level

When the liquid level is at the lowest position, press the calibration button for 20 seconds. The status indicator light starts flashing, indicating completion of 0% liquid level calibration.



Calibrate 100% Full Liquid Level

Fill the container with liquid and press the calibration button for 20 seconds. The status indicator light stops flashing and remains solid, indicating completion of 100% liquid level calibration.



Recalibration

If the container is replaced or the sensor does not work properly, please recalibrate.

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Benefits for using Liquid Level Sensor



Efficiency

Reduces liquid waste and enhances operational efficiency.



Safety

Minimizes risks by providing accurate liquid level measurements.



Cost-Effective

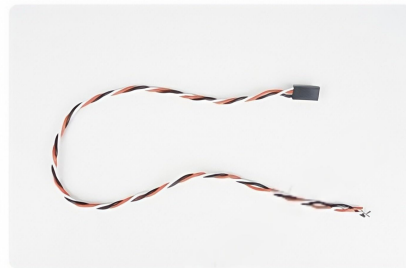
Helps optimize resource usage, reducing overall costs.

LLS-01
Dimensions

35x48x20mm



LLS-01
Packing list



Connector



Nozzle



Liquid Level Sensor

CONTACT CHINA MONEYPRO GROUP NOW:

EMAIL: SALES@MONEYPROUAV.COM

MOBILE: +86-18126437260 (WHAT'S UP) MS. AMY LUO