

Capacitive Fuel Level Sensor

GaMicos

GLTV7Y

DESCRIPTION

GLTV7Y capacitive level sensor is used to continuously detect fuel level by measuring the capacitance variations as the liquid level changes, which can be easily shortened to fit the different tank depths. It can carry out real-time monitoring with GPS tracking system. It has the characteristics of strong stability and long service life.

PRODUCT CHARACTERISTICS

- High accuracy: 1%
- The length of the sensor can be cut freely
- Built-in calibrator for calibration easily
- SAE 5-hole flange mounting, easy and convenient
- Good measurement continuity, strong stability, and long service life
- Can be adapted to GPS tracking system to monitor and record fuel consumption in real time
- Can directly replace the original car fuel level sensor, connect the original car fuel meter

APPLICATIONS

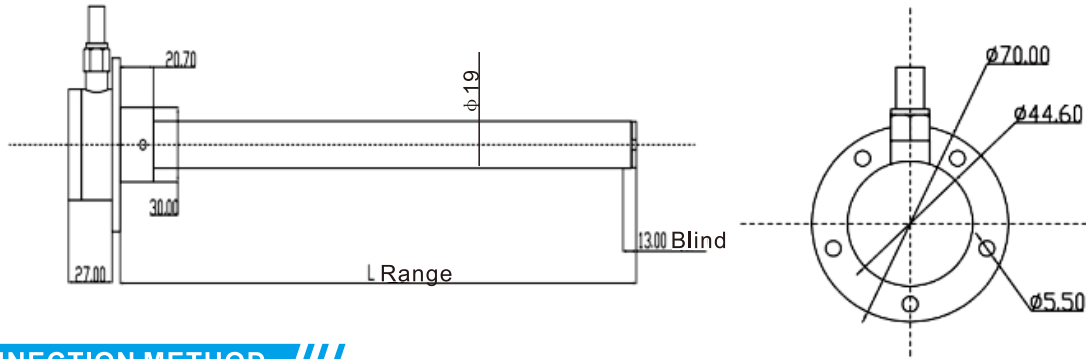
- Yachting, generator tank level measurement
- Diesel, biodiesel, gasoline, kerosene level measurement (cannot measure conductive medium)
- Suitable for car, bus fuel level measurement

TECHNICAL PARAMETER

Range	200 ~ 1500mm(can be cut by yourself)
Medium	Gasoline, kerosene, diesel, etc(cannot measure conductive medium)
Output	Voltage signal: 0~5V, 0.5~4.5V Digital signal: RS232, RS485(can be customized)
Power supply	DC10 ~32V/ 5V
Accuracy	1%
Operation temperature	-40 ~ +85°C
Signal refresh rate	1s-1800s(can be customized)
Wire	PVC(PA corrugated pipe cover is optional))
Protection grade	IP65
Probe material	Aluminum
Junction box material	Plastic, metal
Installation method	SAE 5-holes, Assembly method: 5 pieces of M5 screws and 2 mm thick NBR gasket



DIMENSIONS



CONNECTION METHOD

Sensor wire definitions as follows:

RS232: 4 wires

Red: Power supply

Black: GND- (RS232 ground wire)

Green: RS232 (RXD) sender of computer

Yellow: RS232 (TXD) receiver of computer

RS485: 4 wires

Red: Power supply

Black: GND-(RS485 ground wire)

Yellow: RS485 A

Green : RS485 B

Voltage output: 3 wires

Red: Power supply

Black: GND

White: Voltage output

ORDER GUIDE

GLTV7Y	Differential Pressure Transmitter			
	Range	Range		
	Xm	200-1500mm (can be customized)		
		Code	Output	
		P1	RS485	
		P2	RS232	
		P3	0.5-4.5VDC	
		P4	0-5VDC	
		Code	Power supply	
		V1	10-32VDC	
		V2	5VDC	
GLTV7Y	Xm	P4	V1	