

# Water/Fuel Sensor GLTV3

## Introduction

GLTV3 reed switch type level sensor, it is done by sealed reed switches positioned inside the main shaft of the sensor. A float with built-in magnets then triggers the reed switch relays, generating a potential-signal with resistance, current, or voltage value that increases or decreases according to the fluid level, then give the signal to the gauge via wires, which shows the right level reading by pointer.

In the whole reed switch level sensors, the float is the only moving part of the sensor, thereby minimizing potential mechanical failures to get the precision measurement.

## Specifications

1. Material: SUS316 or SUS304 stainless steel
2. Length range: 100 to 2,000mm for standard (can be customized)
3. Various types of flanges are available for fitting fuel tank if necessary
4. AMP is standard, brand Delphi, Tyco or others can be customized
5. Supply voltages: 10 to 32V, Rated current for alarm switch: 500mA
6. Output signal:
  - ◆ Resistance range: 0 to 190Ω
  - ◆ Current range: 0 to 20mA or 4 to 20mA
  - ◆ Voltage range: 0.5 to 4.5V or 0 to 5V (can be customized)
7. Resolution range: Standard 21mm, 10mm is optional
8. Operating temperatures: -40 to 85°C
9. Protection rank: IP67
10. Option: high/low alarm for resistance output



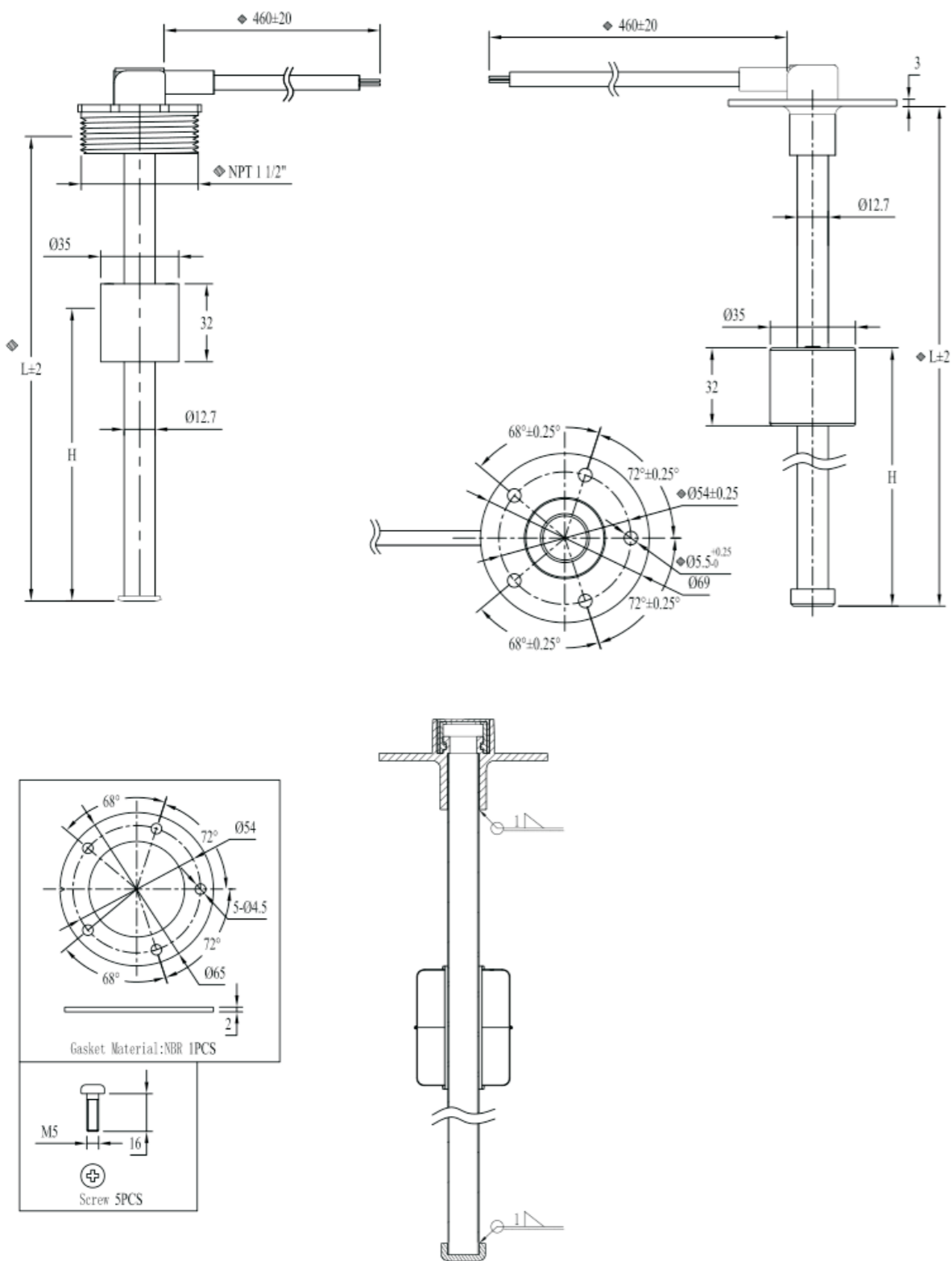
## Applications

- Suitable for truck, generators, bus and marine field
- Widely used in fuel, water, kerosene and chemical tanks
- OEM quality, widely used on automotive and marine OEM
- Reed switch, Continuous and steady output signal
- Simple and strong structure, Advanced corrosion resistance
- long service lives, anti-vibration, anti-explosion
- High quality fuel level sender Economical level sensing solution .
- Without limitation of environment, length can be customized
- Assembled with O-ring, easy for installation

## Indicators

Item	Specification
Range	100~2000mm ( Can be customized )
Medium	Gasoline、 Diesel fuel、 Water、 Polluted water、 Drinking water、 Alcohol、 Chemicals, etc.
Output	Resistance Output: 0~190Ω、 240~33Ω Current output: 0~20mA、 4~20mA Voltage output: 0.5~4.5VDC、 0~5VDC
Power supply	10~32V
Rated power	125mW
Rated current for alarm switch	500mA
Accuracy	Standard 21mm, 10mm is optional
Operating temperature	-40~85 °C
Protection rank	IP67
Wire	PVC material (PA corrugated pipe cover is optional)
Connector	AMP
Probe material	Stainless steel 304 Stainless steel 316
Floats material	Plastic (for oil medium) Stainless steel 304 (For drinking water, chemicals, etc.) Stainless steel 316 ( For sewage )
Mounting	NPT 1 1/2", BSP 1 1/4" SAE standard 5 holes
Alarm switch	Option high or low level alarm switch

Dimension(mm)



Ordering code

GLTV3													
	Code	<b>Sensor type</b>											
	F	Fuel level sensor											
		Code	<b>Unit</b>										
		M	m										
		C	cm										
		N	mm										
			Code	<b>Range</b>									
			Xm	100~2000mm(can be customized)									
				Code	<b>Medium</b>								
				J1	Gasoline								
				J2	Diesel fuel								
				J3	Water								
				J4	Polluted water								
				J5	Drinking water								
				J6	Alcohol								
				J7	Chemicals (can be customized)								
					Code	<b>Output signal</b>							
					P1	0~190Ω							
					P2	240~33Ω							
					P3	0~20mA							
					P4	4~20mA							
					P5	0.5~4.5VDC							
					P6	0~5VDC							
						Code	<b>Power supply</b>						
						V	10~32Vdc						
							Code	<b>Accuracy</b>					
							A1	10mm					
							A2	21mm					
								Code	<b>Probe material</b>				
								L1	Stainless steel 304				
								L2	Stainless steel 316				
									Code	<b>Floats material</b>			
									S1	Plastic(for oil medium)			
									S2	Stainless steel 304(For drinking water, chemicals, etc.)			
									S3	Stainless steel 316 ( For sewage )			
										Code	<b>Mounting</b>		
										I1	SAE standard 5 holes		
										I2	BSP1 1/4" thread twist-in		
										I3	NPT1 1/2" thread twist-in		
											Code	<b>Connector</b>	
											T1	Connector	
											T2	Without connector	
												Code	<b>Alarm switch</b>
												H1	High level alarm switch
												H2	Low level alarm switch
												H3	Without level alarm switch
GLTV3	F	N	Xm	J3	P1	V	A	L2	S1	I2	T1	H1	<b>Complete specification</b>