

# Level Sensor (for Diesel)

# GAMICOS

## GLT5001

### PRODUCT DESCRIPTION

GLT5001 level sensor is specially designed for diesel level measurement by GAMICOS, it adopts a highly reliable silicon piezoresistive pressure sensor as the pressure sensitive core, after automatic temperature compensation, programmable digital circuit correction and signal conditioning, it can output standard analog and digital signals.

Combined with market research, listen to customer needs, GLT5001 is introduced by our company. It not only has a general-purpose design suitable for conventional liquid level measurement, but also has a design with a magnetic suction seat for mobile tank monitoring to meet liquid level measurement under different working conditions. The products are carefully designed, components screening, fixed process, through pressure cycle, aging, environmental simulation test and other methods to ensure that each product is stable and reliable.



### CHARACTERISTICS

- Integrated design, anti-interference
- Optional output signal
- Fully-welded structure
- IP68 protection grade
- Magnetic base shockproof design

### APPLICATION

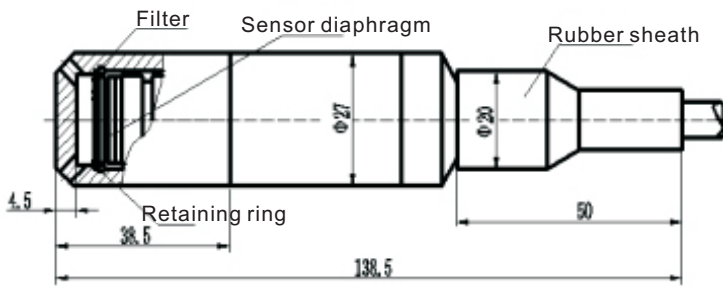
- Diesel tank level measurement
- Diesel generator set level measurement
- Fuel tanker level measurement
- Coal mines, oil fields, petrochemicals, etc.

### TECHNICAL PARAMETERS

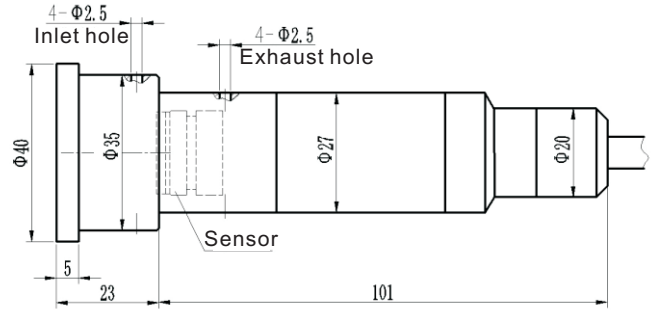
Range	0m~0.5m...10m(customized)		
Overload pressure	≤2 times F.S.		
Pressure type	G (Gauge) 、 A (Absolute)		
Accuracy	0.25%F.S (customized)	0.5%F.S (Typical)	
Long-term stability	±0.1%FS/Yr (Typical)	±0.2%FS/Yr (Maximum)	
Temp. effect on zero	±0.02%FS/°C	±0.03%FS/°C	
Temp. effect on span	±0.02%FS/°C	±0.03%FS/°C	
Compensation temperature	0°C ~ 50°C (Typical)	-10°C ~ 65°C (customized)	
Medium temperature	-30°C ~ 65°C		
Power supply	12VDC ~ 30VDC		
Output	4mA ~ 20mA	RS485	0V ~ 10V (OEM)
Load resistance	Current type : ≤ ( U-12 ) /0.02(Ω)		
Protection grade	IP68		

## DIMENSION

GLT5001-A



GLT5001-B



## ORDERING GUIDANCE

GLT5001	Diesel level sensor							
	Code	<b>Probe type</b>						
	A	Regular type						
	B	Magnetic base type						
	Code	<b>Range (m)</b>						
	X X X	0~Xm, for example 0-1m, 0-2m, etc						
	Code	<b>Pressure type</b>						
	G	Gauge						
	A	Absolute pressure						
	Code	<b>Output</b>						
	E	4-20mA						
	K	0.5-4.5V						
	F	0-5V						
	J	0-10V						
	V	IIC(customized)						
	H	RS485(customized)						
	Code	<b>Power supply</b>						
	V1	12-30VDC						
	V2	3-5VDC						
	V3	5VDC						
	Code	<b>Accuracy</b>						
	A1	0.5%FS						
	A2	0.25%FS (customized)						
	Code	<b>Cable material</b>						
	B1	PU						
	B2	PTFE						
	Code	<b>Medium temperature</b>						
	T1	0°C ~50°C						
	T2	0°C ~70°C						
GLT5001	A	5	G	E	V1	A2	B1	T2