# **IP68 Ultrasonic Level Sensor GUT742**

#### PRODUCT OVERVIEW

GUT742 IP68 ultrasonic level sensor is a product specially designed for humid sites. It has fully sealed structure, and the protect grade can reach to IP68. The product adopts ultrasonic pulses to measure liquid level, and when the sound waves emitted by transducer encounter the measured surface, they can be reflected back. By receiving the reflective waves, combined with time difference from the emission to the reception of the sound waves and known speed of sound waves, the distance from the sensor to the measured medium surface can be calculated, thereby the liquid level or material height can be gotten. The product is embedded with Bluetooth chip, you can debug the device or view the data through the mobile APP. According to the on-site environment, a variety of ranges can be selected.



### CHARACTERISTICS

1.IP68 protection grade:GUT742 ultrasonic level transmitter adopts advanced sealing technology to make sure that the internal circuit is totally isolated from external moisture and dust. Even if it is immersed in water, it is still able to resume normal working status, and suitable for various harsh environments.

2.Bluetooth debugging function: it is embedded with Bluetooth module, supports mobile devices like smart phones or tablets to easily configure and debug without complex wiring, which can improve working efficiency. Customers can check data, adjust parameter setting, and diagnose faults in real time through exclusive APP, making maintenance more convenient and efficient

3. Accurate measurement: GUT742 ultrasonic level transmitter adopts ultrasonic probe, has the characteristics of broad measurement range, high accuracy and small blind. It is suitable for various liquids including clean water, sewage, oil, etc., and it is not affected by medium density or temperature changes.

4. Stable and durable: The shell is made of high-strength engineering material, which is impact-resistant and corrosion-resistant, and can adapt to various harsh conditions in outdoor and industrial sites.

5. Intelligent algorithm: Built-in intelligent echo recognition technology can effectively filter out false echoes, automatically adapt to complex working conditions, and ensure the accuracy of measurement results.

#### APPLICATION

- Sewage treatment
- Rivers and lakes
- Chemical storage tanks, fuel tanks
- Agricultural irrigation pool
- Rainwater collection system
- Food and beverage industry tank

# TECHNICAL PARAMETERS

General parameters				
Range	2m, 5m, 10m, 12m (OEM)			
Accuracy	±0.5%			
Electrical features				
Voltage	10VDC~28VDC			
Power consumption	≤50mA(no more than 1W)			
Output method				
Digital output	RS485 (Voltage can be 10VDC~28VDC)			
Analog output	$4{\sim}20mA~(The load capacity varies according to the supply voltage.) 10VDC~(Load{\leqslant}150R)~, 28VDC~(Load{\leqslant}500R)$			
Environmental parameters				
Working temperature	− <b>20~60</b> °C			
Storage temperature	-40~80°C			
Working pressure	One standard atmosphere			
Mechanical Features				
Mounting Thread	NPT 2" (0~10m) 、 G2A (12m)			
Protection grade	IP68			
Weight	<1000g			
Shell material	ABS			
Probe material	Common type ABS; Anti-corrosion PTFE			
Wire length	Standard configuration 2m (Length can be OEM)			
Cable outer diameter	6.3mm (wire core 4*0.3)			

## DIMENSION







GLT742	Pressure transmitter								
	Code	Instrument type							
	Р	Standa	Standard type						
	F	F Anti-corrosion type							
		Code Protection grade							
		L	IP68						
		Y	Special requirements						
			Code Process connection						
			F Thread NPT2						
			С	Flange					
			Y	Special requirements					
				Code Output					
				1	4~20mA (4-wire)				
				2	RS485 Special requirements				
				Y					
					Code	Rang	e		
					W	0-2m			
					E	0-5m			
					R	0-8m			
					Т	0-10r	n		
					Н	0-12m			
						Code	Material		
						L	Liquids		
GLT742	Р	L	С	1	W	L			