

# LEVEL TRANSMITTER GLT500

## Description

GLT500 level transmitter has the special structure and applications. It has high accuracy, small volume, stability, plus resistance to abrasion, oil, acid & alkali and high intensity gas lead cable ensured that it can meet the different occasions measurement requirements. It is widely used in sewage, river and lakes treatment as well as channel, large rivers, I reservoirs and coastline monitoring. This product has got intrinsic safety certification, explosion proof certification and CE certification. The lead of two-wire circumfluent is no-polarity.

## Technical Specifications

Pressure range	0~1m...200mH2O
Pressure type	Gauge
Output signal	4~20mA, 0~5V, 1~5V, 0.5~4.5V, 0~10V, RS485
Power supply	5V, 10~30VDC
Compensated temperature range	-10~70°C
Operating temperature range	-30~80°C
Storage temperature range	-40~125°C
Temperature effect on Zero	±1.5%FS
Temperature effect on Span	±1.5 % FS
Over pressure	150%FS
Mechanical Vibration	20g(20-5000HZ)
Shock/Impact	100g(11ms)
Comprehensive error	±0.5%FS(standard) , ±0.25%FS
long-term stability	±0.2%FS/year
Medium compatible	Compatible with 316L SS of all kinds of medium
Protection	IP68

注:1Bar=14.5PSI,1PSI=6.89kPa



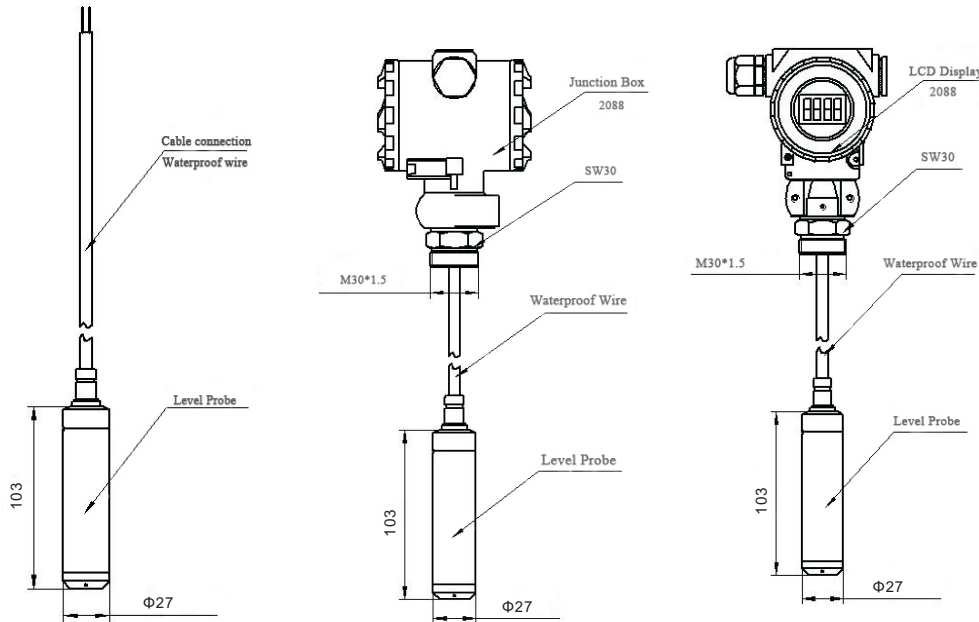
## Applications

- Deep Well Level Measurement
- Hydraulic Monitoring In Rivers And Sea
- Sewage Treatment
- Muddy Liquid Level Measurement
- Liquid Reservoir Level Measurement
- Water Saving Irrigation
- Water Diversion Project

## Features

- Pressure range: 0~1mH2O...200mH2O
- Accuracy: ±0.25%FS, ±0.5%FS
- Flexible submersible measurement
- No-polarity two wire current output
- Explosion proof certification
- CE certification
- OEM provided

## Dimesion(mm)



Installation in the Static water(deep well,pool, tank etc.)

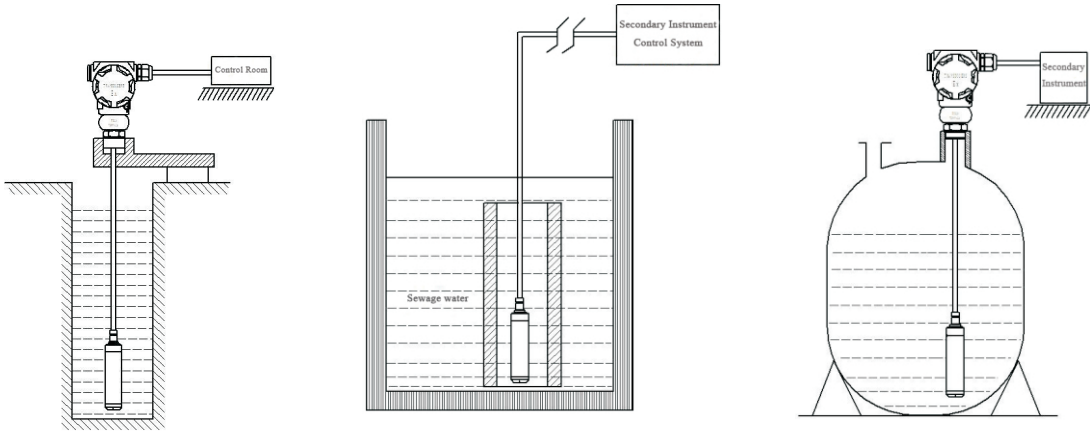
Installation Notes

1.

Put the liquid level transmitter vertically into the bottom of the container,when measuring static fluid level in the opening of the container where the transmitter and connection box will be fixed.
2.

When the viscosity of medium is bigger (such as sewage pool),can be mounted to the casing or support, to ensure the transmitter can be put into the bottom of the container.
3.

Outdoor installation, should put the junction box in dry and ventilated place as far as possible, avoid bright lights illuminating directly and raining so as to the shell with high temperature or water inflow, and finally the internal circuit board will be damaged.



Installation in the Flowing water(Rivers and lakes etc.)

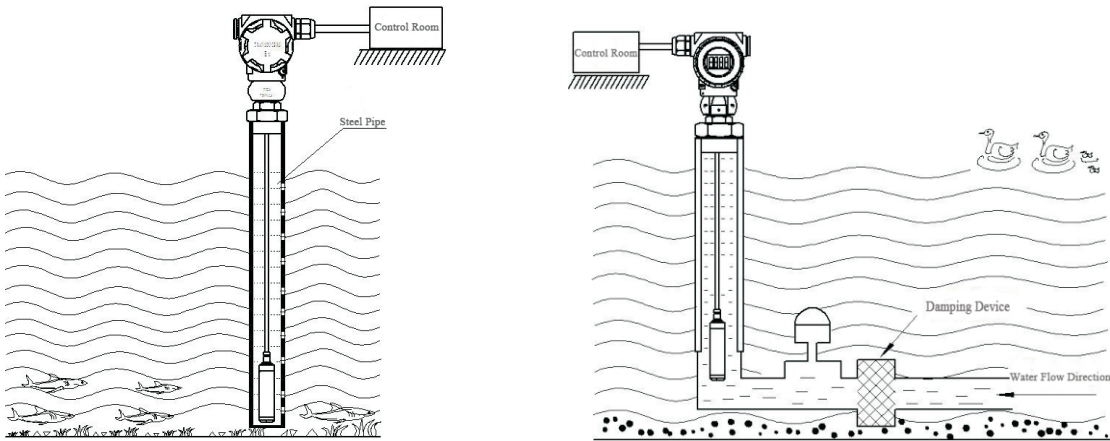
Installation Notes

1.

Under the condition of medium volatile,when measuring water level of the flowing, we can insert a piece of steel tube in the channel, the inner diameter about 50 centimeters, open several Φ 5 holes in the different height of opposite direction of flowing water about the pipe into the water ,make water into the tube,fix the cable and wiring on the pipe outlet.
2.

When the medium wave and sediment is larger in the water channel,can also filter sediment,eliminate the negative impact of the dynamic pressure and wave by using the method of adding damping device to ensure the measurement accuracy.
3.

When Product installation in the dore area, orders should be marked "lightning", also suggested that the user adding against lightning protection devices on the scene so that can ensure product itself, power supply grounding reliability; can reduce the probability of lightning damage the transmitter.



Ordering code

GLT500	Level transmitter														
GLT500D	2088housing level transmitter														
	Code	Sensor type													
	N	Submersible type													
	Code	Code	Unit												
		M	mH <sub>2</sub> O												
		B	Bar												
		P	Psi												
		Code	Code	Pressure range											
			XmH <sub>2</sub> O	Can be customized											
	Code		Code	Output signal											
			T1	4-20mA											
			T2	0-5Vdc											
			T3	1-5Vdc											
		T4	0-10Vdc												
		T5	0.5-4.5Vdc												
	T6	RS485													
	Code	Code	Power supply												
		V1	12Vdc												
		V2	24Vdc												
		V3	10~30Vdc												
		V4	5Vdc												
		Code	Code	Accuracy											
	A1		0.25%FS												
	A2		0.5%FS												
	Code		Code	Pressure type											
G			Gauge												
A			Absolute												
Code		Code	Electrical interface												
		K1	Cable connection												
		K2	2088housing												
	K3	2088housing+display													
	Code	Code	Housing Material												
		S1	304 SS												
S2		316L SS													
Code		Code	Cable material												
		P1	Polyethylene (PE)												
		P2	Polyurethane (PU)												
	P3	PTFE													
	Code	Code	Cable length												
		Lm	Xm, such as 5M(can be customized)												
Code		Code	Explosion-proof function												
		E	Explosion-proof												
		O	Non-explosion-proof												
		GLT500	N	B	5	T1	V2	A2	A	K2	S3	P1	Lm	E	Complete specification