

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, 12~30VDC
Compensated temperature range	-10~70°C
Operating temperature range	-30~80°C
Storage temperature range	-40~125°C
Temperature effect on Zero	±0.03%FS/°C
Temperature effect on Span	±0.03%FS/°C
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



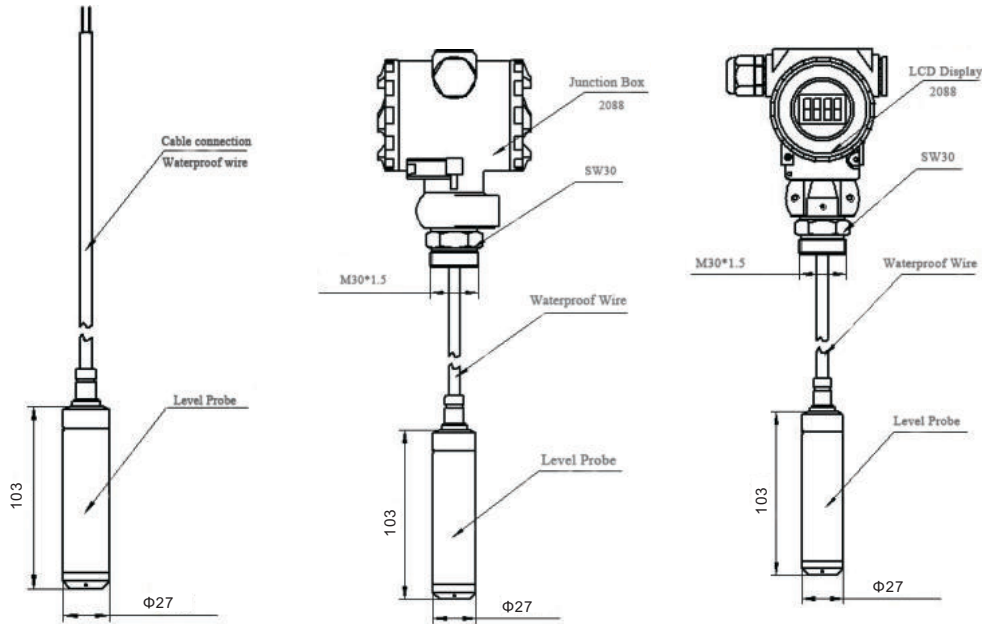
Applications

- 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.)

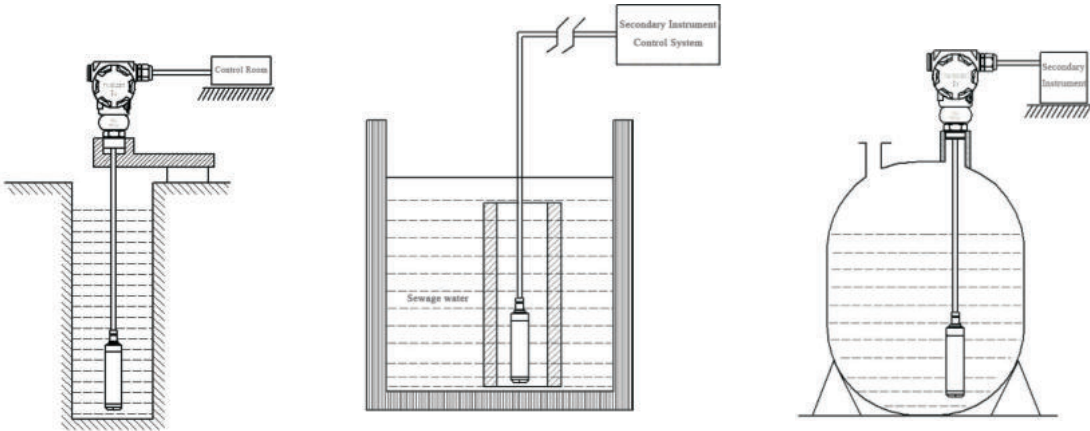
Installation Notes

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.)

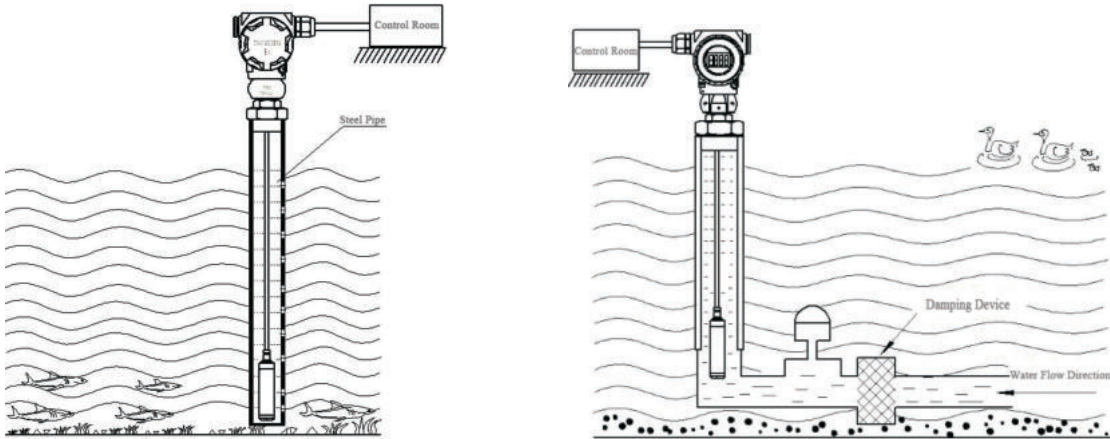
Installation Notes

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