

LEVEL TRANSMITTER

—SEDIMENT-PROOF

GLT520

Description

GLT520 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, 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.

Features

- pressure range: 0~1mH₂O...200mH₂O
- accuracy: ±0.25%FS, ±0.5%FS
- sediment-proof
- no-polarity two wire current output
- Explosion proof certification
- CE certification
- OEM provided

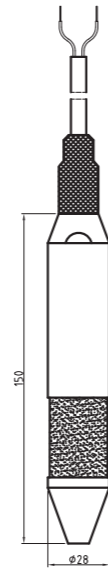
Applications

- deep well level measurement
- liquid reservoir level measurement
- hydraulic monitoring in rivers and sea
- water saving irrigation
- sewage treatment
- water diversion project
- muddy liquid level measurement

Technical Specifications

test condition of data: 25°C(77°F)

pressure range	0-200mH ₂ O			
over pressure	150%FS			
burst pressure	300%FS			
output signal	4~20mA	0~5Vdc	1~5Vdc	0~10Vdc
power supply	10~30Vdc	8~30Vdc	8~30Vdc	12~30Vdc
accuracy	0.25%FS(min.)		0.5%FS(typ.)	
long-term stability	≤0.3%FS/year			
temp. coefficient of zero	±0.02%FS/°C(typ.)		±0.05%FS/°C(max.)	
temp. coefficient of span	±0.02%FS/°C(typ.)		±0.05%FS/°C(max.)	
compensated temperature range	-10~+70 °C			
operating temperature range	-40~+85 °C			
storage temperature range	-40~+85 °C			
Insulating resistance	≥100MΩ@100Vdc			
load resistance	R ≤ (U-10)/0.02 (for 4/20mA)		R > 100kΩ (for voltage output)	
electrical interface	waterproof outlet			
pressure interface	submersible type			
material of pressure membrane	316LSS			
material of housing	Stainless steel			
response time(10%~90%)	≤10ms			
shock/impact	10gRMS, (20~2000)Hz / 100g, 11ms			
protection	IP68			



Unit(mm)

Ordering code

GLT520	Level transmitter												
	Code	Sensor type											
	N	submersible type											
		Code	Unit										
		M	H 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								
					Code	power supply							
					V1	12Vdc							
					V2	24Vdc							
					V3	12~36Vdc							
					V4	5Vdc							
						Code	accuracy						
						A1	0.1%FS						
						A2	0.25%FS						
						A3	0.5%FS						
							Code	pressure type					
							G	gauge					
							A	absolute					
								Code	electrical interface				
								K1	cable connection				
									Code	Housing Material			
									S1	304 SS			
									S2	316L SS			
										Code	Cable material		
										P1	polyethylene (PE)		
										P2	polyurethane (PU)		
										P3	PTFE		
											Code	Cable length	
										5m	5m		
										10m	10m		
										Xm	Xm, such as 5M(can be customized)		
											Code	Explosion-proof function	
											E	Ex I explosion-proof	
											O	non-explosion-proof	
GLT520	N	B	5	T1	V2	A2	A	K2	S3	P1	Xm	E	Complete specification