Temperature-liquid Integrated Level Transmitter

GaMicos

GLT500T

PRODUCT OVERVIEW ////

GLT500T temperature and liquid level transmitter is specially designed for level measurement with temperature monitoring requirements . It adopts high reliability piezoresistive silicon pressure sensor as pressure sensing components and PT100 as temperature sensing element. After automatic temperature compensation, programmable digital circuit correction and signal conditioning , it can output standard analog and digital signals. 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.

PRODUCT CHARACTERISTICS ////

- Integrated design, anti-interference
- Optional output signal
- Integrated temperature and level measurement
- Fully-welded structure
- IP68 protection grade
- Strong customization

PRODUCT APPLICATION ////

- Fuel tank level measurement
- Fire water tank level measurement
- Outdoor river monitoring
- Ship oil level monitoring
- Coal mines, oil fields, petrochemicals, etc

| Level range	0m～0.5m…200m		
Temperature range	-30~100℃		
Overload pressure	≤2 times full scale		
Pressure type	G(Gauge), A(Absolute)		
Accuracy	0.1%FS（OEM)	0.25%FS（OEM)	0.5%FS（Typical)
Temperature accuracy	±1℃（Typical)	±0.5℃（Optional)	
Long-term stability	±0.1%FS/Y（Typical)	±0.2%FS/Y（Maximum)	
Temp. effect on zero	±0.02%FS/℃	±0.03%FS/℃	
Temp. effect on span	±0.02%FS/℃	±0.03%FS/℃	
Compensation temperature	0℃～50℃(Typical)	-10℃～65℃(OEM)	
Medium temperature	-30℃～65℃		
Power supply	12VDC～30VDC		
Output signal	4mA～20mA	RS485	0V~10V (OEM)
Load resistance	Current: ≤（U-12)/0.02(Ω)		
Protection grade	IP68		

DIMENSION ////
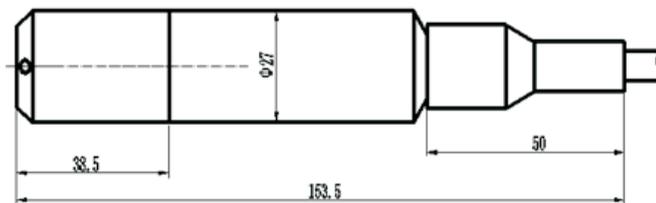
WIRE DEFINITION ////

Double current
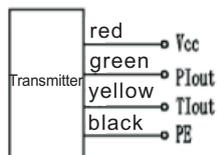
Double voltage
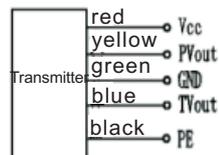
RS485
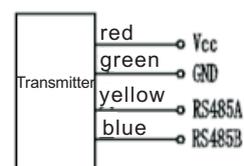
GLT500T	Temperature and level transmitter								
	Code	**Temperature range(℃)**							
	A	X~X℃, eg. 0~60℃, -10~50℃, etc							
		Code	**Level range(mH₂O)**						
		X	0~Xm, eg. 0-1m, 0-2m, etc						
			Code	**Pressure type**					
			G	Gauge					
			A	Absolute pressure					
				Code	**Output**				
				E	4-20mA				
				K	0.5-4.5V				
				F	0-5V				
				J	0-10V				
				H	RS485				
					Code	**Power supply**			
					V1	12-30VDC			
					V2	5VDC			
						Code	**Accuracy**		
						A1	0.5%FS		
						A2	0.25%FS(OEM)		
						A3	0.1%FS(OEM)		
							Code	**Temperature accuracy**	
							B1	±1℃（Normal)	
							B2	±0.5℃（Optional)	
								Code	**Wire**
								C1	PU
								C2	PE
								C3	PTFE
								Code	**Temperature range**
								T1	0℃~50℃
								T2	0℃~70℃
GLT500T	A	X	G	E	V1	A1	B1	C2	T1