LEVEL TRANSMITTER

—Anti-corrosive type

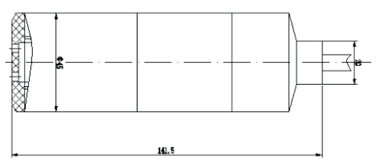
GLT570

Description

GLT570 level transmitter uses ceramic core as the sensitive element. It is high reliability, high stability, high accuracy. Level or pressure is mainly used to measure the corrosive liquid level and gas. The product uses PTFE shell, ceramic capacitive core adopt international famous brand, programmable transmitter conversion circuit, and can facilitate the calibration of zero and full scale Resistance to abrasion,oil,acid & alkali and high intensity gas lead cable can be selected for customer's need. This product has got intrinsic safety certification, explosion proof certification and CE certification.

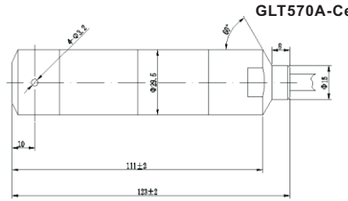
Features

- Accuracy: ±0.25%FS, ±0.5%FS, ±1%FS
- Measurement range: 0.5~50mH_2O
- Ceramic capacitive core /Ceramic piezoresistive core
- Input and threaded mounting
- Intrinsically safe, explosion-proof, CE certification
- Anti-electromagnetic interference



Unit（mm）

GLT570A-Ceramic capacitive



GLT570-Ceramic piezoresistive

Applications

- Strong corrosive liquids.
- Temperature higher site
- Precious liquid level
- Flammable medium class
- Chemical experiment
- Explosion-proof site

Technical Specifications

Test condition of data:25°C(77°F)

Pressure range	0~1mH_2O...50mH_2O	
Over pressure	150%FS	
Burst pressure	300%FS	
Output signal	4~20mA,0~5VDC, Customizable	
Power supply	10~30VDC	
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 votage output)
Electrical interface	Waterproof outlet	
Pressure interface	Submersible type	
Material of pressure membrane	Ceramic	
Material of housing	PTFE	
Response time(10%~90%)	≤10ms	

Ordering code

GLT570													**Level transmitter**
	Code												**Sensor type**
	N1												GLT570A-Ceramic capacitive
	N2												GLT570B-Ceramic piezoresistive
		Code											**Unit**
		M											mH_2O
		B											Bar
		P											Psi
			Code										**Pressure range**
			X mH_2O										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								10~30VDC
					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
									Code				**Housing Material**
									S1				PTFE
										Code			**Cable material**
										P1			Polyethylene (PE)
										P2			Polyurethane (PU)
										P3			PTFE
										P4			Fluorous rubber(FKM)
											Code		**Cable length**
											5m		5m
											10m		10m
											Xm		Xm, such as 5M(can be customized)
												Code	**Explosion-proof function**
												E	Explosion-proof
												O	Non-explosion-proof
GLT570	N1	B	5	T1	V2	A2	A	K2	S3	P1	Xm	E	**Complete specification**

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