



Model TGL500

Description

TGL500 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
- flexible submersible measurement
- no-polarity two wire current output
- Explosion proof certification
- CE certification
- OEM provided

Applications

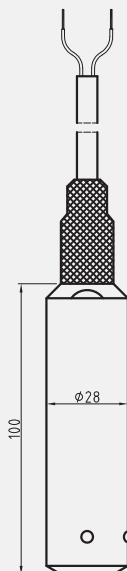
- deep well level measurement
- hydraulic monitoring in rivers and sea
- sewage treatment
- muddy liquid level measurement
- liquid reservoir level measurement
- water saving irrigating
- water diversion project

Technical Specifications

test condition of data: 25°C (77°F)

pressure range	0~1mH ₂ O...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	embedded type			
material of pressure membrane	316LSS			
material of housing	1Cr18Ni9Ti stainless steel			
response time (10%~90%)	≤10ms			
shock/impact	10gRMS, (20~2000)Hz / 100g, 11ms			
protection	IP68			

Dimensions (in mm)



Ordering Code

Model	TGL500
Pressure range	[0/x]mH ₂ O pressure range: 0~1mH ₂ O...200mH ₂ O
Output signal	E 4~20mA F 0~5Vdc J 1~5Vdc K 0~10Vdc
Electrical interface	[x]m cable length
Accuracy	A1 0.25%FS A2 0.5%FS A3 1.0%FS

GLT500 [0/5]H₂O E 6m A2