

UTG21-K

Ultrasonic Level Meter

Continuous and non-contact measurement for the material level of the liquid, pasty and small particle materials.

Features

- Display the liquid level and distance;
- Automatic detection of on-site electrical interference, and interference suppression;
- Internal integrated temperature sensor, and real-time temperature compensation for sound velocity;
- Support 4-20 mA current simulation, RS485 communication test, and other functions;
- Use the keys to carry out on-site parameter setting;
- All input and output lines have the overvoltage and overcurrent protection;
- Non-contact measurement, and long service life;

Maximum measuring distance of the instrument

Measuring Medium	Maximum Measuring Distance			
Liquid and Fluid	5m	10m	15m	20m
High Temperature with Water Vapor*	3m	6m	9m	12m
Solid (Particle>4mm)*	2m	4m	6m	8m

* Note: The maximum measuring distance of the ultrasonic level meter is affected by operating conditions. The data in the above table are for reference only.



Product Details



Technical Data

Type	Two-wire system	Three/four-wire system
Measuring Range	0.15m~2m, 0.3m~5m, 0.35m~10m, 0.5m~15m, 0.8m~20m	
Blind Zone	0.15m~0.8m (Depend on the measuring range)	
Measuring Precision	±0.3%FS* (Standard conditions*)	
Resolution	1mm	
Instrument Display	Display liquid level, distance and relay status	
Supply Voltage	DC12V~36V / 22mA	DC12V~36V / 70mA or AC100V~240V / 5W
Analog Output	4~20mA loop current output (Load < 400Ω)	4~20mA/ bit12 current output (Load < 5000)
Digital Output	-	RS485 /Modbus-RTU protocol
On-off Output	-	2-channel SPST relay Contact power3A 250VAC/5A 30VDC
Transmitter Material	ABS	
Probe Material	ABS / ETFE / PTFE	
Electrical Interface	PG11 Interface	PG11 Interface
Process Interface	G2"(Customize G1 / 2½"NPT screw thread)	
Environmental Temperature	-35℃~+70℃ (Please emphasize the temperature when placing an order if the temperature below -20℃)	
Process Temperature	-40℃ ~ +80℃	
Waterproofing Grade	IP67	
	If the instrument is in the humid environment all the year round. It is recommended to apply the glass cement to the waterproof joints.	
Process Pressure	0.8~3bar/altitude < 2,000 m	