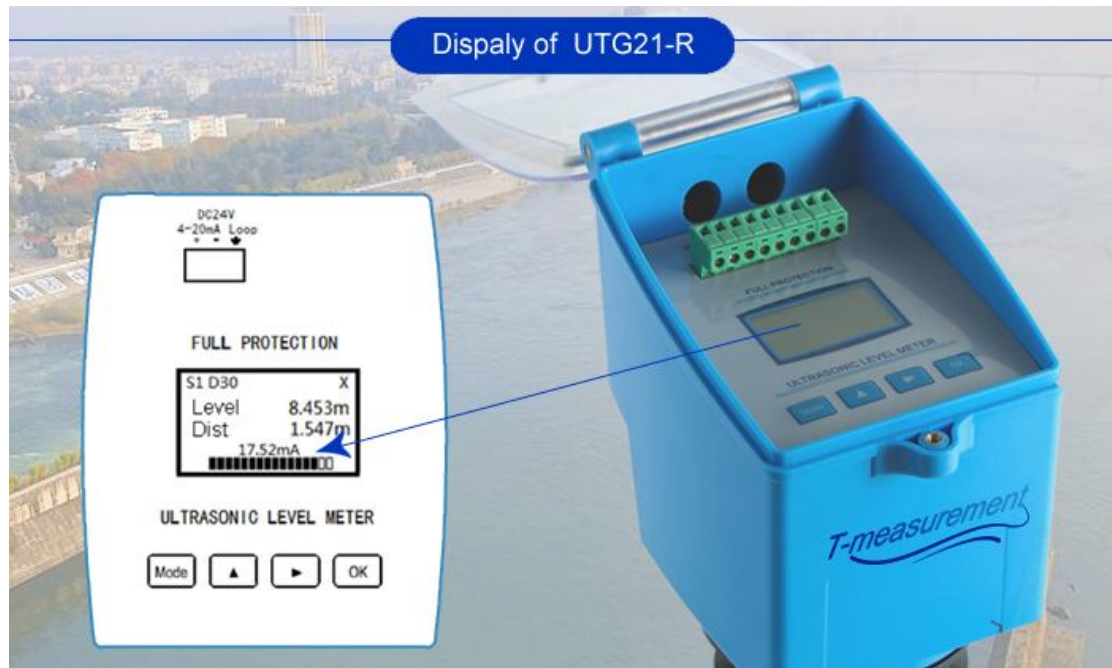


UTG21-R ULTRASONIC LEVEL METER

Overview of UT21-R

The UTG21-R ultrasonic level meter is used for Non-contact measurement of liquid, paste and granule material level.



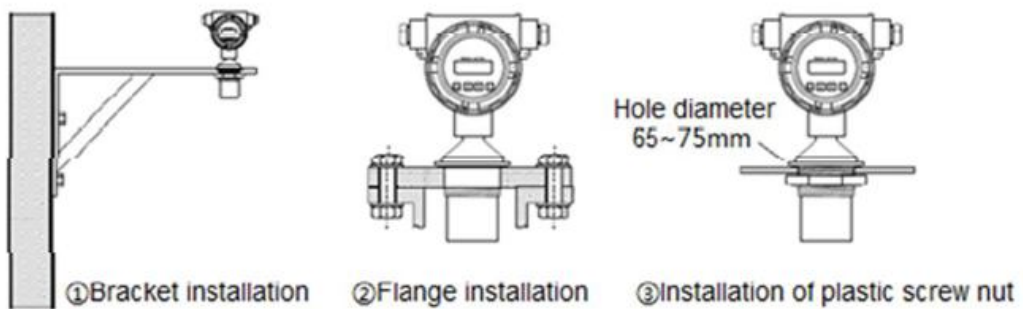
Feature

1. Four change rates are available, so as to read average liquid level accurately even if the liquid level fluctuates drastically.
2. Six display modes are available, to display echo waveform and historical curve.
3. Internally integrated temperature sensor provides real-time temperature compensation to sound speed.
4. On-site operation is available with liquid crystal display and keyboard.
5. 4~20mA current diagnostic function.
6. Chinese and English displays are available; meter and inch are available.
7. Carry out automatic detection of on-site electrical disturbance and interference suppression.
8. All input and output lines have overvoltage and overcurrent protection.
9. Provide alarm current output function.
10. Non-contact measurement owns a long service

Working Picture



How to install UTG21-R



Application

Continuous and non-contact measurement of liquid, paste and granule material level.
Maximum measurement range.

Measuring range

Measurement medium	Range	Maximum measurement range			
Liquid and fluid		5m	10m	15m	20m
High temperature, with water		3m	6m	9m	12m

vapor				
Solid with granule >4mm	2m	4m	6m	8m

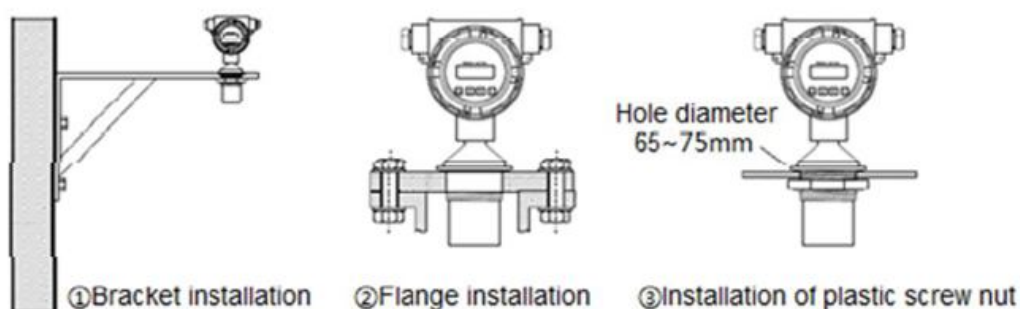
Technical Parameters

System		Integrated two-wire system
Basic parameters	Measurement range	0~5m, 0~10m, 0~15m, 0~20m
	Block dist.	0.35~0.6m
	Precision	±0.3%FS* (standard conditions *)
	Resolution	±2mm
Input	Supply voltage	DC12~36V / AC 85~264V
	Maximum current	50mA~100mA
	Ripple wave requirement	Less than ±200mV
Output	Simulated current	Load 500Ω
	Digital interface	Rs485 / ModBus-RTU
Interface	Process interface	G1 1/2" or G2"
	Electrical interface	PG11 or M20×1.5
Material	Transmitter	ABS or Aluminum alloy
	Probe	Ordinary waterproof ABS / anti-corrosion ETFE
	Flange	Ordinary waterproof ABS/ anti-corrosion ETFE
Environmental condition	Environment temperature	-20℃~+60℃. Liquid crystal display is limited if it is lower than -20℃. If outdoor instrument is exposed to sunlight directly, add ultraviolet-proof protective cover.
	Waterproof grade	IP65
Process condition	Process temperature	-40℃~+90℃, high-temperature probe shall be used in case of over 70℃.

	Process pressure	0.8~3bar or 0.08~ abs / below 3000 0.3Mbar
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Installation Position

How to install UTG21-R



Packing List

No.	Name of equipment or accessory	Unit	Quantity	Note
1	Ultrasonic level meter	Set	1	
2	Plastic screw nut (default) DN32 flange or bracket (optional)	Piece	1	
3	Operation Instruction	Book	1	
4	Product qualification certificate	Piece	1	

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