

## Ultrasonic Open Channel Flow Meter



SPIT TYPE



INTEGRATED TYPE

- Technical Specification:**

Function	Integrated type	Split type
Range	0.1l/s ~ 99999.99 m <sup>3</sup> /h	
Cumulative Flow	biggest : 4290000000.00 m <sup>3</sup>	
Max range for level	3m	
Accuracy for level	0.5%	
Resolution	3mm or 0.1% ( bigger )	
Display	Chinese LED	
Accuracy for Flow	Standard weir: 1 ~ 5% (meet the requirements of national standard weir and channels) Non-standard weir: 10 ~ 30%。	
Analog output	(Four-wire system) 4 ~ 20mA/750Ωload	
Delay output	(optional)two groups :AC 220V/ 8A or DC 24V/ 5A ,	
Power supply	Standard:24V DC 100mA ; optional: 220V AC±15% 50Hz。	
Power supply	(optional)12VDC、 battery、 solar	
Environment Temperature	LED:-20 ~ +60°C , Probe: -20 ~ +80°C	
Environmental pressures	Standard atmospheric pressure	
Environment humidity	≤90%RH , Non-condensing	
Process temperature	-20 ~ 80°C ;	
Process pressures	Standard atmospheric pressure	
Communication	Optional:485 , 232 , MODBUS protocol	
Protection Grade	LED:IP65 Probe: IP68	LED:IP65 , probe:IP68
Cable Probe	No	Standard:10m , The longest:100m

<b>Probe installation dimension</b>	M48x2mm thread + matching nuts
<b>Probe Material</b>	Standard: ABS Teflon material in corrosive environment

<b>Power Consumption</b>	<p><b>Split type:</b>  Power supply:24V,  No relay: 100mA  Channel 1 of Relay: 120mA ;  Channel 2 of Relay: 145mA ;  Channel 3 of Relay: 170mA ;  Channel 4 of Relay: 190mA ;  The specific power is as follows:  No relay: <math>24 \times 100\text{mA} = 2.4\text{W}</math> ;  Channel 1 of Relay: <math>24 \times 120\text{mA} = 2.9\text{W}</math> ;  Channel 2 of Relay: <math>24 \times 145\text{mA} = 3.5\text{W}</math> ;  Channel 3 of Relay: <math>24 \times 170\text{mA} = 4.1\text{W}</math> ;  Channel 4 of Relay: <math>24 \times 190\text{mA} = 4.6\text{W}</math> ;  Channel 3 of Relay: <math>24 \times 170\text{mA} = 4.1\text{W}</math> ;  Channel 4 of Relay: <math>24 \times 190\text{mA} = 4.6\text{W}</math> ;  Integrated type (Four-wire system)  Power supply:24V,  No relay: 80mA  Channel 1 of Relay: 105mA ;  Channel 2 of Relay: 130mA ;  The specific power is as follows:  No relay: <math>24 \times 80\text{mA} = 1.9\text{W}</math> ;  Channel 1 of Relay: <math>24 \times 105\text{mA} = 2.5\text{W}</math> ;  Channel 2 of Relay: <math>24 \times 130\text{mA} = 3.1\text{W}</math> ;</p>
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- **Applications:**

The ultrasonic open channel flow meter with weir and flume which used together for measured the flow in the open channels. Mainly application is the outfall of sewage plant and the sewage of enterprises, city sewer and irrigation channels.

The instrument produced by our company uses ultrasonic waves through the air, non-contact method to measure. Compare with contact instrument, it has higher reliability and durability in the condition of sticky dirt, corrosive liquid.

Continuous efforts for product development may necessitate changes in specifications without notice

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