

OPEN CHANNEL FLOW METER

UOL SERIES

Flow Measurement

& Monitoring



DESCRIPTION

The UOL series is a non-contact ultrasonic open channel flow meter, with low blind area, high sensitivity, and high stability. It consists of ultrasonic sensor and a wall mounted converter, complete with display and integral keypad for programming. The UOL series is mainly used for measuring water conservancy irrigation, sewage plants, urban sewage, chemical factory and other industries.

TECHNICAL FEATURES

ISO Standard	Parshall Flume, Triangular Weir, Rectangular Weir, Non-throat Flume
USBR Standard	Long-throat Flume (Rectangular flume Trapezoid Flume)
Probe Range	0 to 3m (Standard), 0 to 6m / 0 to 12m (option)
Accuracy	±0.2% F.S (In air)
Display	2 lines x 14 Digit LCD, backlighted
Analogue Output	4~20mA (0-500Ω)
Relay Output	6 SPDT (5A / 250V AC / 30V DC)
Communication	RS485 with Modbus-RTU (standard protocol)
Temperature Range	-40 to 70°C
Power Supply	24V DC (±5%) 0.2A / 220V AC (±20%) 0.1A
Cable Length	10 meter (extendable to 1000 meter)
Measure Cycle	1.0 second (changeable)
Material	ABS
Protection	IP65 (converter) / IP67 (sensor)
Dimension (mm)	248H * 184W * 122D

FEATURES

- ✓ High detection accuracy
- ✓ Suitable for various weir tank
- ✓ Excellent anti-interference capability
- ✓ Leak-proof probe structure
- ✓ Chemical resistant probe
- ✓ 4-20mA & RS485 serial communication output
- ✓ Programmable 6 relays at most for alarms
- ✓ Temperature compensation (automatic)

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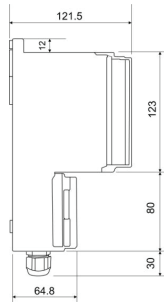
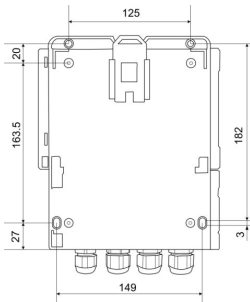
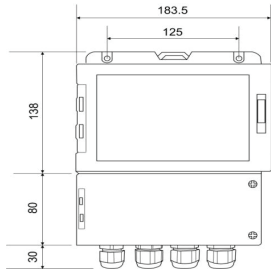
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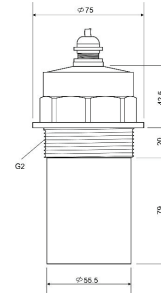
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DIMENSION/DRAWING



Converter



Sensor

CODES AND REFERENCES

Code	Reference	Description
2001	UOL-A-R01	Ultrasonic transmitter in 220V AC
2002	UOL-D-R01	Ultrasonic transmitter in 24V DC
04	L4	Level sensor with 4 meter measurement range
06	L6	Level sensor with 6 meter measurement range
012	L12	Level sensor with 12 meter measurement range

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