ULM60F Ultrasonic Flume Flowmeter

Measuring principle

Ultrasonic Flume flowmeter is used in conjunction with water measuring weir to measure the flow of water in the Flume. Mainly used for measuring sewage plants, enterprises and institutions of the sewage outfall, the flow of urban sewers and agricultural irrigation channels and so on. Because our meter adopts ultrasonic waves to pass through the air and measure in a non-contact method. Therefore, in the case of viscous dirt and corrosive liquid, it has higher reliability than other forms of meters.



Technical Specification

Measuring Range	0.1L/sec-99999.99m3/hour
Accumulated Flow	Maximum: 4290000000.00m3
Level Maximum Range	3m
Level Measuring Accuracy	0.5%
Resolution	3mm or 0.1% (whichever is greater)
Display	English LCD display
Flow Measuring Accuracy	Standard weir is 1-5% (weir and channel in accordance with the requirements of the national standard)
Analog Output	Non-standard weir is 10-30%.
Relay Output	4-wire 4-20mA/750Ω load
Power Supply	(optional item) 2 groups DC 24V/ 5A or AC 220V/ 8A
Operating Ambient Temperature	Display meter -20-+60℃, probe -20-+80℃
Operating Ambient Pressure	standard atmospheric pressure
Operating Ambient Humidity	≤90%RH, non-condensing
Process Temperature	-20-80℃
Process Pressure	Standard atmospheric pressure
Communication	(optional) 485, 232 communication, MODBUS protocol
Protection class	IP65 for display instruments, IP68 for probes
Probe cable	10 meters as standard, maximum 50 meters
Probe mounting size	M78 x 2mm thread + matching nut
Probe material	ABS as standard, in corrosive environments to use PTFE material.