

MFU-6500

Marmonix Wall mounted / Portable Ultrasonic Flowmeter

Overview:

Wall mounted Ultrasonic Flowmeter MFU-6500 is designed to measure volumetric flow of within closed conduit, the pipe line must be full of liquids, and there must be a certain amount of air bubbles or suspended solids in liquid. The Doppler ultrasonic flow meter can display flow rate and flow totalizer, etc., and is configured with 4-20mA, outputs.

Features:

- It is suitable for pipe sizes ranging from 40 to 4000mm
- For dirty liquids, a certain amount of air bubbles or suspended solids shall be contained
- Excellent low flow rate measurement ability, low to 0.05m/s
- A wide range of flow measurement, high flow rate can reach 12m/s
- High-temperature transducer is suitable to liquids of -35°C ~ 200°C
- Do not need to shut down the pipe flow when installing the transducers
- User-friendly configuration
- 4-20mA, OCT outputs
- Accuracy: 2.0% Calibrated span
- Rechargeable battery can work up to 50 hours



APPLICATION

- Raw sewage
- Activated sludge
- Ground water
- Pulp and paper slurries
- Chemical slurries
- Drainage
- Mining recirculation



Specification: Transmitter

Measurement principle	Doppler ultrasonic
Resolution	0.25mm/s
Accuracy	0.5% -- 2.0% F.S.
Response time	2-60s for optional
Flow Velocity Range	0.05- 12 m/s
Liquid Types Supported	Liquids containing 100ppm of reflectors and at least 20% of the reflectors are larger than 100 micron.
Power Supply	AC: 85-265V
Enclosure type	Portable
Degree of protection	IP65 according to EN60529
Operating temperature	-20°C to +60°C
Housing material	ABS
Measurement Channels	1
Display	2 line × 8 characters LCD, 8-digit rate or 8-digit total (resettable)
Units	User Configured (English and Metric)
Rate	Rate and Velocity Display
Totalized	gallons, ft ³ , barrels, lbs, liters, m ³ ,kg
Communication	4-20mA,OCT output
keypad	6pcs buttons
Size	Transmitter:270X125X175mm
Weight	3kg

Specifications: Transducer

Transducers Type	Clamp-on
Degree of protection	IP65. IP67 or IP68 according to EN60529
Suited Liquid Temperature	Std. Temp.: -35°C~85°C for short periods up to 120°C High Temp.: -35°C~200°C for short periods up to 250°C
Pipe diameter range	40-4000 mm
Transducer Size	60(h)*34(w)*33(d)mm
Material of transducer	Aluminum for standard temp. sensor, peek for high temp. sensor
Cable Length	Std: 5m