

MF-200F

Professional manufacturer, best quality with competitive price ●
 Recommended by the world UT NDT inspection association for training and examination ●
 Core technology with independent intellectual property rights, certificate of CE, GOST and etc.. ●

Mitech fixed mounting ultrasonic flowmeter



Product Overview

Mitech fixed mounting ultrasonic flowmeter MF-200F is based on the principle of ultrasonic detection, which can conveniently and quickly measure the flow in real time. The main unit and sensor are installed on the measuring pipe, which is easy to install, strong anti-interference ability, stable and reliable, low starting flow, no pressure loss. It can be equipped with a variety of different types of sensors to meet the needs of different working conditions, and the measurement is accurate and stable. It is especially suitable for batch installation in an instrument box or power distribution cabinet. It is a professional precision instrument for detecting fluid flow such as water, pure water, seawater, sewage, and river water.

Technical Specifications

Technical Specifications	Technical parameters
Accuracy	$\leq 1\%$
Velocity range	0 ~ ± 10 m / s, forward and reverse measurement
Pipe diameter	DN15-DN6000mm
Fluid temperature	- 30 °C ~ 160 °C
Type of fluid	water, seawater, sewage, acid and alkali liquid, alcohol, beer, various oils, etc
Pipe material	steel, stainless steel, cast iron, copper, PVC, aluminum, fiberglass and other dense pipes, lined are allowed
Communication interface	Isolated RS485 serial interface, support MODBUS protocol
Power supply	DC8 ~ 36V or AC10~30V, AC85~264V

Features

- Measurement linearity is better than 0.5%, repeatability accuracy is better than 0.2%, measurement accuracy reaches $\pm 1\%$;
- The main unit and sensor are installed on the measuring pipe, easy to install, strong anti-interference ability, stable and reliable, low starting flow, no pressure loss;
- Isolated RS485 interface, between the flowmeter and the secondary meter can be transmitted through the RS485 bus, the transmission distance is more than kilometers;
- With dual isolated programmable OCT outputs for outputting cumulative pulses, working status, etc;
- Sewage pipeline measurement effect is good, and it can perform stable and reliable measurement on most sewage pipelines;
- Different types of sensors can be selected to meet customers' various needs;
- The working parameters of the flowmeter can be solidified into the FLASH memory in the machine, The fixed working parameters can be selected automatically when power on.

Applications Fields

- Water resources and related flow inspection, flow collection and tracking;
- Petroleum, chemical, metallurgy, power and other industries;
- Paper, pharmaceutical, food and other industries;
- Other fluid metering tasks for a single uniform liquid capable of transmitting ultrasonic waves .

Working Conditions

- Temperature: - 20 °C ~ + 60 °C;
- Sensor temperature: outer clamp on: - 30 °C ~ 90 °C; high tem. clamp on, insertion, inline: - 30 °C ~ 160 °C

Configurations

	NO.	Name	Qua	Remarks
Standard Configuration	1	Main unit	1	
	2	Sensor	1 set	
	3	Ultrasonic special cable	1	
	4	Steel belt	1 set	
	5	Silica gel	1	
	6	Temperature resistance	1 set	
	7	Ultrasonic Dedicated Thermal Wire	1	
	8	Files	1	
Optional Configuration	9	Various types of sensors		Matching according to demand
	10	Waterproof adapter		



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