

MFU-6400

Portable Ultrasonic Flow meter Marmonix

Overview:

Portable Ultrasonic Flow meter MFU-6400 is suitable for on-line calibration and inspection of liquid flow in various industrial sites. Wide Measuring range: DN15mm-DN6000mm, non-contact measuring method, no moving mechanical parts, free from system pressure and adverse environment. Built-in thermal integrated printer, widely used in petrochemical, metallurgy, electricity, water conservancy, heating, air conditioning billing, energy monitoring and other industrial production, backlit LCD and front panel operation.





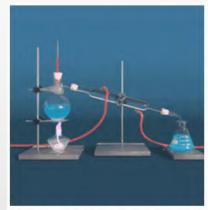
Features:

- Repeatability: better than 0.2%
- Accuracy: better than ±1%
- Chinese & English display, easy to operate
- Built-in rechargeable Ni-MH battery
- Built-in mini thermal printer with instant and timing print function
- Uplink over 20 measuring data to computer or internet



APPLICATION

Uniform liquid which ultrasonic waves can propagate





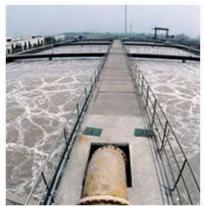


Ultrapure Water and Liquids Water / Glycol Solutions

Cooling and Heating Water







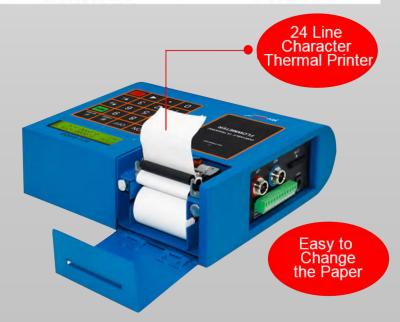
Wastewater



Chemicals

Built Mini Thermal Printer

Real time and Timing Printing





Specification:

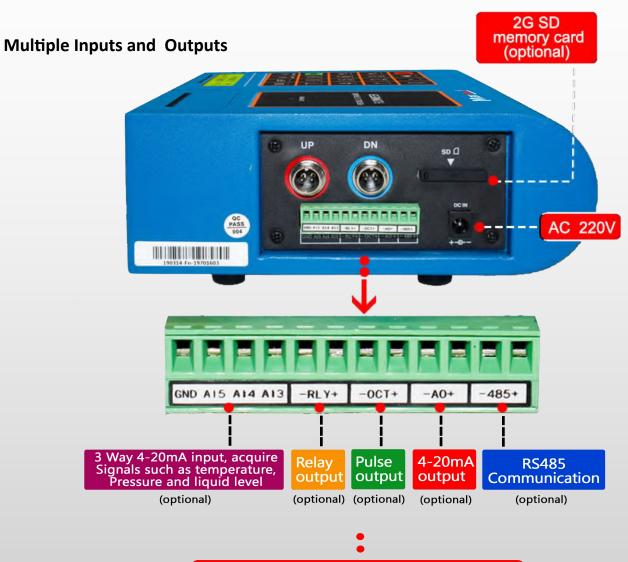
Item	Specification			
Main unit	2 line × 2 characters			
	Working temperature -20°C - 60°C			
	Mini thermal printer with 24 line character output			
	4×4+2 pushbutton keypad			
	RS485 serial port			
Transducers	TS-1: small size transducer (magnetic) for pipe size: DN15-100mm, liquid temperature ≤ 110°C			
	TM-1: Medium size transducer (magnetic) for pipe size: DN50-1000mm, liquid temperature ≤ 110°C			
	TL-1: Large size transducer (magnetic) for pipe size: DN300- 6000mm, liquid temperature ≤ 110°C			
Liquid Types	Water, seawater, industrial sewage, acid and alkali liquid, various oils etc. Liquid which can transmit sound wave.			
Flow velocity range	0-±10m/s			
Accuracy	Better than ±1%			
Power Supply	Built-in rechargeable Ni-MH battery (for 20 hours operation) or AC 220V			
Power consumption	1.5W			
Charging	Intelligent charging with AC 220V. After charging sufficiently, it automatically stop and display green light			
Weight	Net weight: 2.5kg (main unit)			
Remarks	With the high strength carrying case suitable for normal and harsh environment			

Quick and easy Installation

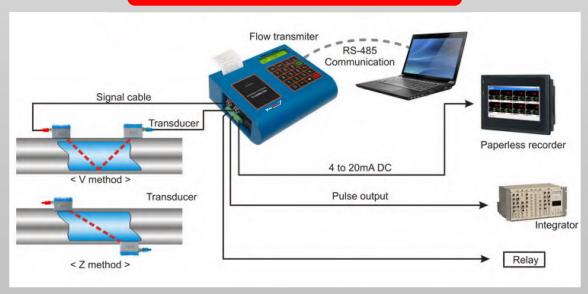
Clamp on transducer Save time no pipe cutting or process shutdown







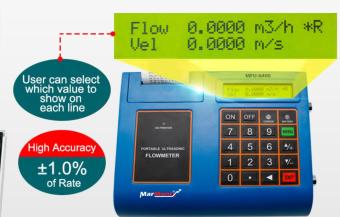
Example of System Comguration







Backlit LCD and Front Panel Operation



All necessary including

- signal cable
- Clamps and chains
- AC power recharger
- 2 rolls of paper
- **Tape**

Common Pipe Materials

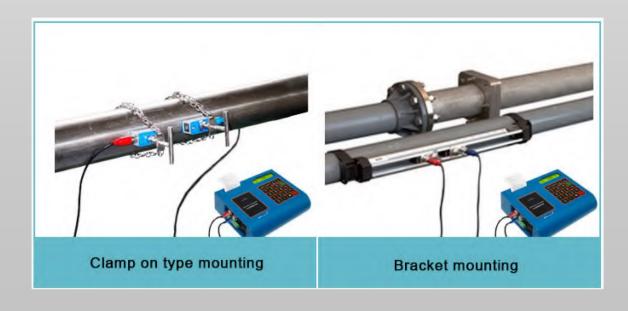




Transducer Selection

One or more pairs of transducer can be selected

Туре	Picture	Specification	Measuring range	Temperature range
Clamp on type		Small-size	DN15mm~DN100mm	-30℃~90℃
		Middle-size	DN50mm~DN700mm	-30℃~90℃
		Large-size	DN300mm~DN6000mm	-30℃~90℃
High temperature clamp on type	00	Small-size	DN15mm~DN100mm	-30℃~160℃
	-	Middle-size	DN50mm~DN700mm	-30℃~160℃
	*	Large-size	DN300mm~DN6000mm	-30℃~160℃
Mounting bracket clamp on	this -	Small-size	DN15mm~DN100mm	-30℃~90℃
	1111	Middle-size	DN50mm~DN300mm	-30℃~90℃
		King-size	DN300mm~DN700mm	-30℃~90℃

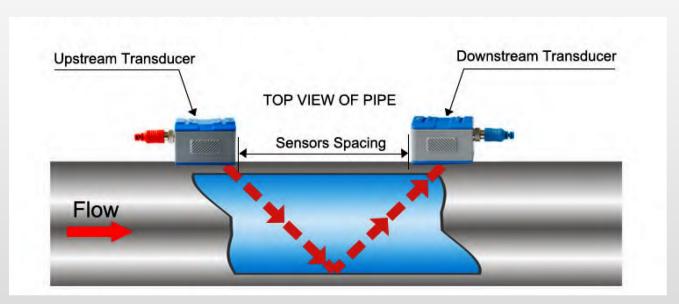




INSTALLATION

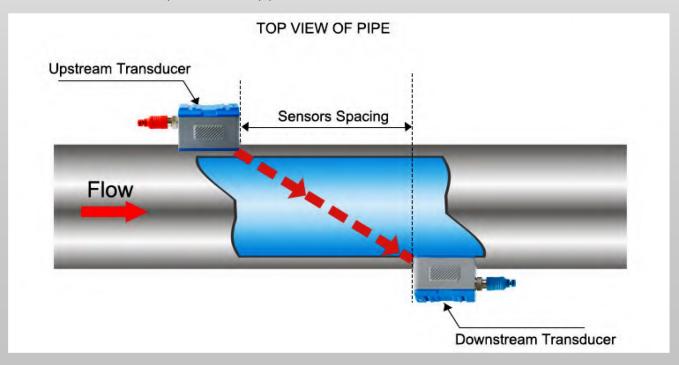
V-method Installation

V-method installation is the most widely used mode for daily measurement with pipe inner diameter ranging from DN15mm ~ DN200mm. It is also called reflective mode or method.



Z-method Installation

Z-method installation is commonly used when the pipe diameter is above DN300 mm.





Piping Requirements

