

The UFM700 is a compact and lightweight time-difference ultrasonic flowmeter, designed for portable and on-site flow measurement. Its rechargeable battery and universal power supply make it convenient for field engineers to perform pipeline measurements anytime, anywhere. With a magnetic clamp-on transducer, installation is quick and simple, requiring no pipe cutting or process interruption. It is ideal for applications involving toxic or highly corrosive media, overhead pipelines, and pressure-resistant systems.

Suitable for ultrasonic flow measurement in uniform liquids such as hydrogen decomposition, data cooling, solar energy, tap water, wastewater treatment, seawater desalination, industrial process water, cooling water, aquaculture, pure water treatment, RAS, HVAC, agricultural irrigation, etc.

FEATURES

- Portable Design
- 2.8" Display Clear TFT screen with backlight.
- Flexible Power Options
- Non-Intrusive Measurement
- Data Logging: Stores 1,000+ data files.
- Measurement accuracy is better than $\pm 1\%$
- Enhanced Reliability



TECHNICAL SPECIFICATION

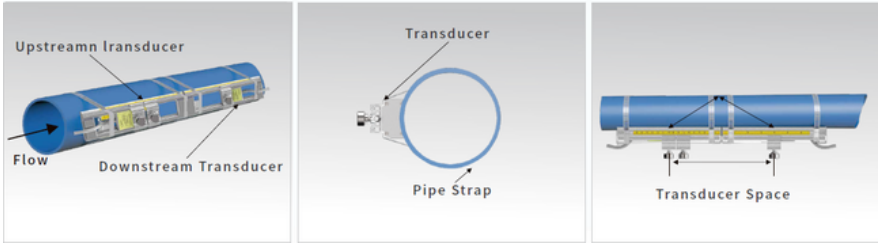
Pipe Size	DN25mm-DN800mm
Flow Velocity Range	0.01m/s~5m/s
Accuracy	1% of measured value(0.5m/s~5m/s)
Repeatability	0.2%
Medium temperature	0°C~80°C (standard)
Keyboard	16 Touch keys
Display	2.8" TFT black and white screen 240×320
Temperature range	-100°C~50°C
Humidity	0 ~ 99% RH , Non-Condensing
Pulse Output	0~9999Hz, 0C T output
Analog Output	4 ~ 20 mA,max load 500 Ω
Communication	RS485, Support Modbus RTU, FUJI protocol
Weight	0.7 kg
Power Supply	10.8V rechargeable lithium battery

TRANSDUCER SPECIFICATION

Sensor category	Magnetic suction portable
Model	ULT40
Measurement Medium Temperature	0°C~80°C (standard)
Measurement Pipe Dia	25mm~800mm
Probe Housing Material	CPVC
Guide Rail Material	Aluminum alloy
IP Rating	IP68
Installation Method	Support V -type Z -type installation
Standard Cable Length	5m
Weight	1.2 kg
Warranty	1 Year

Transducer Installation Method

V-Type Installation Method Applicable Pipe Diameter Range: 25mm~400mm (same side, ensure both sensors are horizontally aligned, with their centerlines parallel to the axis of the pipe) (recommended)



Z-Type Installation Method Applicable Pipe Diameter Range: 100mm~800mm (opposite sides, avoid installing at the top or bottom of the pipe). When installing the flowmeter, it is recommended to use the Z-type installation method for pipe sections of 300mm and above.

