

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

MARINE FLOW METER

MFE600 Intelligent Electromagnetic Flowmeter

ISO9001 Supplier

Class Certificate

Export Supply

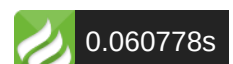
Electromagnetic flowmeter for volume flux measurement. Can measure the transient pulsating flux. RS485 communication protocol (optional). RS232 communication protocol (optional). Intelligent Electromagnetic Flowmete...



Key Highlights

Category	Marine Flow Meter
Standard	ISO
Material	It can be widely used in industrial fields such as petroleum, chemical, ...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



Technical Specifications			
Category	Marine Flow Meter	Model / SKU	MFE600-Intelligent-Electromagnetic-Flowmeter
Standard	ISO	Material	It can be widely used in industrial fields such as petroleum, chemical, metallurgy, water supply and drainage, steel, coal, paper, food, textile, environmental protection and other municipal administration, water conservancy construction field etc.
Surface	And it uses SMD electronic components and SMT surface mounting technology to ensure reliable performance, high accuracy, low power consumption and zero stability.	Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	Origin	China

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	■ Normal Working Condition:	■ Installation :

China MFE600 Intelligent Electromagnetic Flowmeter:

Electromagnetic flowmeter for volume flux measurement.

Can measure the transient pulsating flux.


RS485 communication protocol (optional).

RS232 communication protocol (optional).

Intelligent Electromagnetic Flowmeter featuring high accuracy, reliability, good stability and long service life.

With a water tower up to 35m as pressure stabilizer for actual flow calibration, we have a professional production line for electromagnetic flowmeter, also we design and develop a series of software and hardware for electromagnetic flowmeter for mass production to ensure high quality in long term use. The product has backlight and wide temperature-ranged Chinese/English LCD display. With fully practical function, visual display, easy operation, it saves troubles for on-site installation operation and maintenance. It can be widely used in industrial fields such as petroleum, chemical, metallurgy, water supply and drainage, steel, coal, paper, food, textile, environmental protection and other municipal administration, water conservancy construction field etc.

Features:

1. The electromagnetic flowmeter is an instrument for volume flux measurement. The flux measurement will not be influenced by the fluid density, viscosity, temperature, pressure and electrical conductivity changes. There is a linear relationship between the inducing voltage signal of sensor and the average velocity. Its accuracy is high.
2. Due to the unimpeded flow and no moving parts, it will not cause additional energy loss or jam. Therefore it is remarkable for energy saving, especially it is suitable for measurement of liquid-solid two-phase fluids such as sewage, slurry, pulp, coal slurry, pulp etc.
3. The electromagnetic flowmeter has no mechanical inertia. With good sensitivity, it can measure the  0.060778s

pulsating flux, and has good linearity.

4.It has low requirements for installation. Short straight pipe is needed, generally 5D in front of the flowmeter, 3D behind it (D is the interior diameter of the selected instrument).

5. Only the lining and electrodes contact with the media, as long as the selection of electrode and lining materials is proper, they can be corrosion resistance and abrasive resistance, and are able to ensure long-term use.

6. When power supply is off suddenly, EEPROM can protect parameter setting and cumulative values.

7. The converter uses a low-power consumption single-chip for processing data. And it uses SMD electronic components and SMT surface mounting technology to ensure reliable performance, high accuracy, low power consumption and zero stability. With Chinese dot matrix LCD display, it can display the integrated flux, transient flux, velocity, flow percentage and other parameters.

8.Multi-electrode structure ensures high accuracy. With the grounding electrode, it doesn't need grounding ring, therefore saves the cost.

9. The low-frequency rectangle wave excitation improves the flux stability. It has low power consumption and good low flow characteristics.

10.Bidirectional measurement system can be used for measuring forward flux and reverse flux.

Normal Working Condition:

Environment Temperature: -20°C~60°C

Rated Voltage of Power Supply:

220V AC: 100V~240V AC

DC: 24V DC

Installation :

Separate model: converter, 50mm pipe or plane installation

Integrated model: combined with the sensor

Wire connector: ISO M20 × 1.5 female thread

Wire Terminals: M3 screw

Housing material: aluminum alloy

Structure:

Protection class: IP65 (general type); IP68 (waterproof)