

# ULTRASONIC FLOW SENSOR MP803

## DATASHEET



**eom**  
SOLUTIONS

## PRODUCT INTRODUCTION

Introducing our innovative Flow Sensor, designed with an integrated clamp-on structure for effortless installation. Gone are the days of complicated setup processes. With our intuitive design, users can simply clamp the sensor onto the pipe and securely tie it with a nylon cable, ensuring quick and hassle-free installation. This streamlined approach not only saves time but also eliminates the complexities of traditional flow sensor installations, offering unparalleled convenience and flexibility.

But that's not all—our flow meter is equipped with Wi-Fi communication technology, allowing seamless integration with Cloud Data Storage. Users can remotely access, manage, and analyze measurement data through mobile and PC terminals—anytime, anywhere. With real-time insights, say goodbye to manual data checks and elevate your efficiency to the next level.

### Key Features:

- No need to break pipe—install directly without cutting or altering the pipe.
- Clamp-on design for direct measurement without disruption.
- LCD display for clear, on-site data readout.
- App-based remote monitoring and measurement capabilities.
- IP54 rating, ensuring durability and protection from dust and water splashes.
- Compact and lightweight for easy handling and installation.
- Quick charging for minimal downtime.
- Patent-pending technology for industry-leading performance.

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## APPLICATIONS

Our flow sensor is perfect for a wide range of applications:

- Household Water: Accurate measurement for residential usage.
- Building Water: Monitoring water flow in commercial or industrial buildings.
- Municipal Garden Irrigation: Efficient water management for public green spaces.
- Dormitory Water: Ideal for monitoring water usage in student housing.
- Water Production Equipment: Essential for monitoring and controlling equipment in water production systems.

- **Golf Courses and Gardening:** Ensures optimal irrigation for landscaping and turf management.
- **Aquaculture:** Monitoring water flow in fish farms.
- **Farm Irrigation:** Streamlines water usage for agricultural purposes.
- **Automatic Car Wash:** Accurate flow tracking in car wash facilities.

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## APP INTRODUCTION

The device uses Wi-Fi connectivity to transmit data to the cloud server, utilizing the MQTT protocol for secure and real-time data transfer. Through the Meter Tube app, users can add devices and monitor data remotely, ensuring continuous, up-to-date flow measurements.

### App Features:

- **Add Devices:** Easily integrate new devices into your system.
- **Device Management:** Manage and monitor your devices all in one place.
- **Product Management:** Organize and track product performance.
- **Connection Management:** Ensure seamless communication between devices.
- **Remote real-time monitoring:** View live data from any location.
- **Direct device-to-device connection:** Simplified integration between multiple devices.
- **Grouping Devices:** Organize devices into groups for easy management.
- **App Software Upgrades:** Keep your system updated with the latest features and improvements.

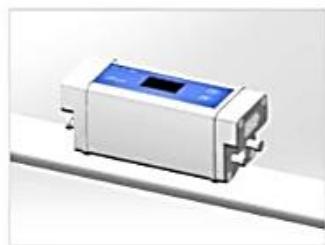
## HOW TO INSTALL AND USE



Installation of Nylon self-locking cable tie



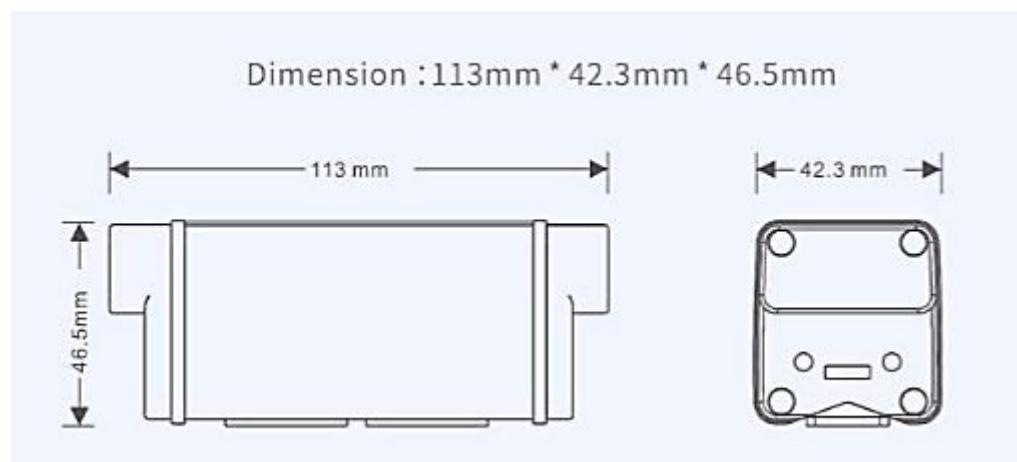
1. Peel off the release film



2. Clip it on pipeline



3. Fasten the tie



## TECHNICAL PARAMETER

PERFORMANCE INDEX		FUNCTION INDEX	
MEASURABLE RANGE OF VELOCITY	0.1-16 ft/s (0.03-5.0 m/s)	DISPLAY SCREEN	0.96" LCD display screen, resolution 160*80
PIPE SIZE	DN20, DN25, DN32	INSTALLATION METHOD	Nylon self-locking cable ties for quick clamping
PIPE MATERIAL	PVC, Copper, Carbon steel, Stainless steel	POWER SUPPLY	External 5V/2A power adapter (Optional), Built-in 3.7 V lithium battery (Optional)
COMMUNICATION METHOD	USB + Wi-Fi		

## PRODUCT MODEL

APPLICATION SCENARIOS	Household Water, Building Water Municipal Garden Irrigation, Collective Dormitory Water, Monitoring and Control of Water Production Equipment Process, Aquaculture, Farm Irrigation, Automatic Car Wash, etc.			
MEDIUM	Tap Water, Pure Water, Clean Water			
COMMUNICATION METHOD	USB + WiFi			
PIPE SIZE	DN20, DN25, DN32			
POWER SUPPLY	Type-C and Battery			
PROTECTION LEVEL	IP54			
ADAPTER OPTIONAL	5V2A/USA Plug   5V2A/UK Plug   5V2A/Europe Plug   5V2A/Australia Plug			
PIPE MATERIAL	Carbon steel	Stainless steel	PVC	Copper
NAME/MODEL	MP801	MP802	MP803	MP804