



A & A CORPORATION

ULTRASONIC FLOW METER

FTUF 2500



FTUF 2500





Ultrasonic flow meters are inferential meters that use ultrasonic technology to measure the velocity of an acoustically conductive liquid moving through it. There are two types of ultrasonic flow meter technologies, including Doppler and transit time. In addition to inline and open channel models, ultrasonic meters are available as clamp-on solutions when contact with the measured fluid is not possible.

FEATURES

Ultrasonic flow meters are a popular solution to simplify flow measurement across a variety of applications.

- **Impressive Accuracy.** Maintain accuracy across a wide range of applications with a greater extended low flow accuracy compared to mechanical meters.
- **Flexible Installation.** Can be installed permanently or temporarily—clamp-on meters can be installed by a single user within an hour as a temporary measurement solution or to verify the accuracy of other meters.
- **Minimal Maintenance.** Feature a streamlined design without moving parts, which results in minimal maintenance and low cost of installation and ownership.

Key Applications

- HVAC/Energy Monitoring
- Water Treatment
- Water Delivery Gray or Black Water
- Produced Water
- Power Generation
- Food and Beverage Processing



Ultrasonic battery operated



Specifications	
Model NO	FTUF-UWM-220
Size	DN-40-DN600
Power Supply	Lithium Battery
Accuracy	$Q2 \leq Q \leq Q4 \pm 2\%$ $Q1 \leq Q < Q2 \pm 5\%$
Range Ratio	$Q3/Q1-250, Q2/Q1=1.6, Q4/Q3=1.2!$
Protection Class	IP68
Pressure Level	Map 10 or Map16
Data Storage	Data Storage for 18 months
Working Temp	$25^{\circ}\sim +55^{\circ}\text{C}$
Installation	Horizontal Or Vertical

Hybrid power supply ultrasonic flow meter

Specifications	
Model no	UPC-UWM-201
Size	DN40-DN6000
Power Supply	24VDC
Accuracy	$Q2 \leq Q \leq Q4 \pm 2\%$ $Q1 \leq Q < Q2 \pm 5\%$
Range Ratio	$Q3/Q1-250, Q2/Q1=1.6, Q4/Q3-1.25$
Protection Class:	IP68
Pressure Level	Map 10 or Map16
Data Storage	Data Storage for 18 months
Working Temp.	$-25^{\circ}\sim +55^{\circ}\text{C}$
Installation	Horizontal or Vertical



Main Features

Illustration

- Wide flow measurement range, from 0 m/s to 32 m/s
- Bi-directional measurement, totalize for net, positive and negative flow.
- High accuracy, better than K 1% of velocity
- Suitable for all commonly used pipe materials
- Rechargeable battery with 12 hours of operation
- Built-in data logger or SD card Self-explanatory user interface.
- Windows PC software for data down-load and real time data display
- Can also be deployed as a remote RTU for long-term flow monitoring application



Specifications

FTUF 2500 Ultrasonic flow meter	
Medium	Domestic water, industrial water, raw water, ground water, sewage with small particle content, Oils, Chemicals Alcohol, acids, Beverage, Liquid food.,etc.
Diameter	DN15~DN6000mm
Accuracy	±1%
Repeatability	±0.2% of Span
Medium temperature	<60°C
Flow rate	0.3~32m/s
Pipe Material	steel, cast iron, Ductile iron,Brass,copper,,PVC, Aluminium
Displays	4x16 English letters
Electronic Enclosure Material	Plastic, Aluminium
Power supply	230VAC/110VAC/24VDC/Battery
Signal output	4~20mA, Pulse
Communication	RS-232C,RS485,M-BUS,RF,GSM/GPRS,LORA/NB-IOT
Data Logger	Options : SD card data (up to 8GB based SD card capacity)
Explosion-proof	Flame Proof (FLP)
Protection proof	IP65; IP67 and IP68
Structure	Integral, Remote
Liquid temperature	-40 to 121 Deg.C. (Optional 40 to 250 Deg.C.)
Work environment	Ambient temperature: -20~+60°C Ambient humidity: 5%~90%
Sensors for Clamp-on Type	S1 (15-100 mm), M1(50-700 mm) and L1(300- 4570 mm)
Sensors for Insertion Type	Above 80mm
Sensors for Inline Type	DN15~DN600mm
Types of UltraFlow 2500	Clamp-on, Insertion, Inline

CERTIFICATES



Certificate

This is to Certify that
M/S. A & A CORPORATION
(Brand Name: - Manjeera)

Address: 6-3-186, Jay Nagar Colony, New Bhoiguda, Hyderabad,
Telangana-500003, India
Factory Add.- 105, Shyam Ind. Estate, Bakrol Bujrang, Tal-Daskroi,
Ahmedabad, Gujarat-382430, India
Factory (II):- S. No 116/6, Chavan Baug, Pune-411041, Maharashtra, India

has been found in Compliance with requirements of
Quality Management System

ISO 9001:2015

for the following scope:

CHLORINE ANALYSERS, ELECTROMAGNETIC FLOW METER,
ULTRASONIC FLOW METER, WATER METER, PP SADDLES,
COMPRESSION FITTINGS, HDPE PIPE, COMPOSITE PIPE AND
FITTINGS, FLOW CONTROL VALVE, GI, CI, PVC, MS, DI PIPE AND
FITTINGS, BRASS VALVE, SLUICE VALVE AND SS TAPS, PP
INTEGRATED SADDLES AND MDPE PIPE

Certificate No. : QMS/022752/0621
Original Certificate Date : 29-June-2021
Issue Date : 28-June-2024
Expiry Date : 27-June-2027

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Certificate of Compliance

This is to Certify that
M/S. A & A CORPORATION
(Brand Name: - Manjeera)

Head Office: 6-3-186, Jay Nagar Colony, New Bhoiguda, Hyderabad,
Telangana-500003, India
Factory Add.- 105, Shyam Ind. Estate, Bakrol Bujrang, Tal-Daskroi,
Ahmedabad, Gujarat-382430, India

Factory (II):- S. No 116/6, Chavan Baug, Pune-411041, Maharashtra, India
is in Compliance with

Water Meters for Cold Potable Water and Hot Water

ISO 4064-2:2014

for the following scope:

Manufacturing of Water Meters, Gas Meters, Flow Meters, Pressure Meters,
Ultrasonic Water Meter, Electromagnetic Flow Meter

Certificate No. : WMFC/A32D/0224
Original Certificate Date : 03-February-2024
Issue Date : 03-February-2024
Expiry Date : 02-February-2027

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This is to Certify that
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(Brand name:- MNJ-RSVP & MANJEERA)

Head Office:- 6-3-186, Jay Nagar Colony, New Bhoiguda,
Hyderabad, Telangana-500003, India

has been found in Compliance with requirements of
Environmental Management System

ISO 14001:2015

for the following scope:

Manufacturer and Supplier of Gas Chlorination Systems, Chlorinators Like
Vacuum Feed, Gravity Feed, Cylinder / Tonner Mounted, Pedestal Mounted
System, Electro Chlorinator - batch Process, Chlorine Analyzer, Water Meter,
Flow Meter, Sodium Hypochlorite System, WTP, STP and Continuous Process

Certificate No. : EMS/012018/0919
Original Certificate Date : 10-September-2019
Issue Date : 09-September-2022
Expiry Date : 08-September-2025

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(Brand name:- MNJ-RSVP & MANJEERA)

Head Office:- 6-3-186, Jay Nagar Colony, New Bhoiguda,
Hyderabad, Telangana-500003, India

has been found in Compliance with requirements of
Occupational Health and Safety Management Systems

ISO 45001:2018

for the following scope:

Manufacturer and Supplier of Gas Chlorination Systems, Chlorinators Like
Vacuum Feed, Gravity Feed, Cylinder / Tonner Mounted, Pedestal Mounted
System, Electro Chlorinator - batch Process, Chlorine Analyzer, Water Meter,
Flow Meter, Sodium Hypochlorite System, WTP, STP and Continuous Process

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Head Office

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Manufacturing Unit

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