



EUREKA

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 17025:Certified

AMR Ultrasonic Water Flowmeter



**EUREKA
INDUSTRIAL
EQUIPMENTS
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The Working Principle

EUAMR Working Principle

Based on transit time ultrasonic sensor technology, EUAMR series smart water flowmeters are designed specifically for measurement of domestic water consumption in cities and towns.

The EUAMR water meter works on ultra- low consumption design using non rechargeable battery which lasts years together. The various communication options enable the smart water meter to connect with remote host to transmit consumption data. The consumption data collected from water meter is used by the central management system for monitoring and billing purpose.

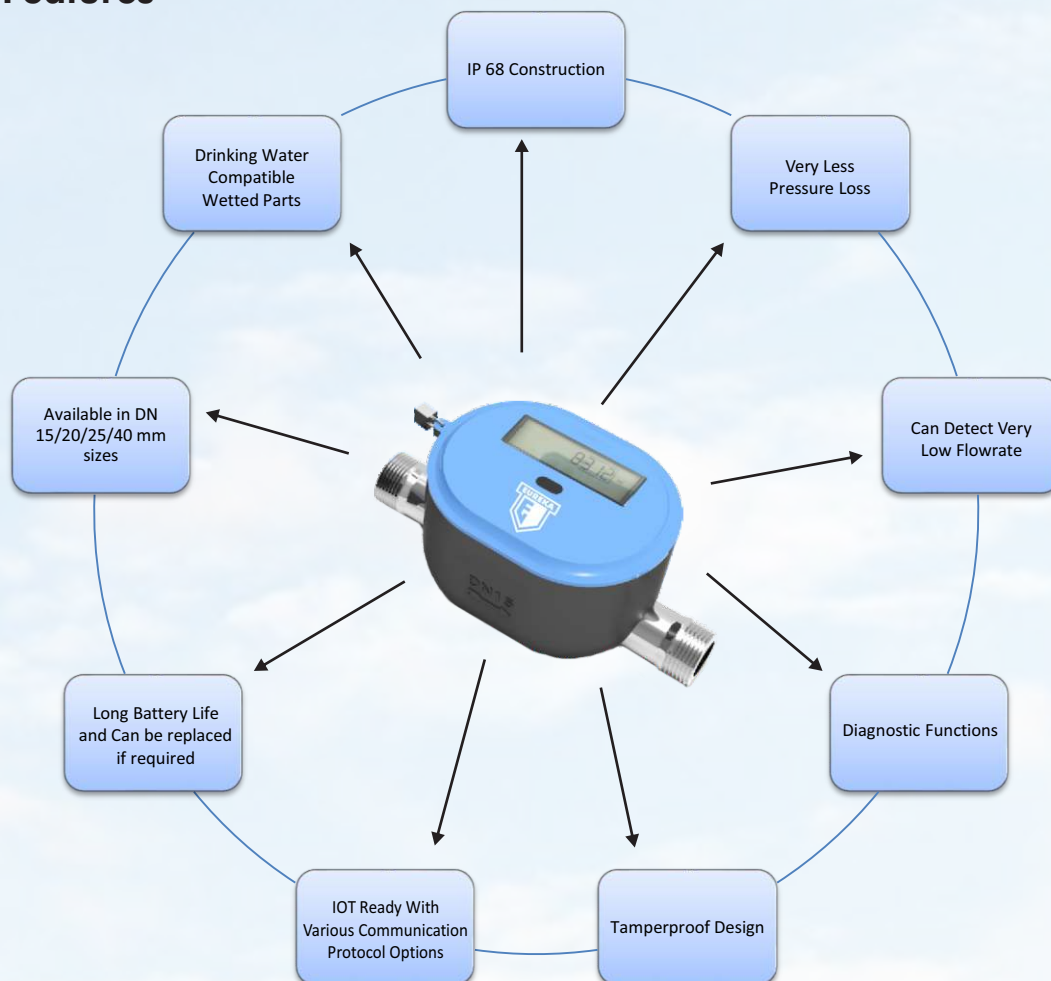
The EUAMR water meters are designed to work in varying environmental conditions in country such as ours. They are maintenance free and design is tamperproof & comply to IP 68.

Various communication options such as Modbus, M BUS, NBIOT and LORA are available to work with different gateways for data communication.

The lithium- ion battery used is designed to work years together (Life of battery depends on the frequency of data transmission)

The EUAMR water meters are manufactured in fully equipped Factory located in Pune, Maharashtra. Each EUAMR water flowmeter is calibrated on an automatic calibration bench.

EUAMR Features



Specifications

Max Working Pressure	1.6 Mpa
Temperature Class	T30
Accuracy Class	ISO 4064, Accuracy Class2, Optional Class 1
Body Material	Brass, SS 304, SS316 , SS316L
Battery	3.6 V Lithium Battery - 6 years life time
Protection Class	IP 68
Environmental Temperature	-40 + 70°C , ≤100% RH
Electromagnetic Class	E2
Communication	M-bus, RS485, LoRaWAN, NBIOT
Display	9 digital LCD display for volume, flow Rate, Power Alarm, Flow Direction, Output etc
Connection	Thread
Flow Profile Sensitivity Class	U5/D3
Data Storage	Store the latest 2 years data including day, month and year. The data can be permanently saved even powered off
Frequency	1-4 times/second
Range Q3/Q1	125,160,200,250,400

*REMARK : Battery life is subject to signal strength and frequency of data communication.

Ranges

Line size in mm NB	Q1 lph	Q3 Flow m3/hr	Q4 Flow m3/hr
15	10	2.5	3.125
20	16	4	5
25	27.2	6.8	7.875
32	40	10	12.5
40	64	16	20

Dimensions

Nominal Size DN (mm)		15	20	25	32	40
Dimension	Length L (mm)	165	195	225	260	300
	Width W (mm)	92	92	92	140	140
	Height H (mm)	198	198	198	201	206
	Weight (kg)	0.84	0.91	1.18	3.8	4.3
Interface Size Of Flow Pipe Segment	Thread Specification	G 3/ 4B	G 1 B	G1 1/ 4B	G1 1/2B	G1 3/4B
	Thread Length (mm)	12	12	12	12	12

Applications

- Water Supply & Drainage Branch line flow measurement Scheduling and Management
- Convenient communication network, facilitate the management of computer networking.
- Various kinds of signal output, facilitate the implementation of remote monitoring.
- Household Measurement Building, Factory and industrial Park Water Settlement
- Low starting flow rate, measure smaller flow rate, increase water charge revenue.
- High accuracy measurement, reliable guarantee of the water charge.
- Wide measuring range ratio, suitable for large variable situation under the high and low peak flow.
- With the built-in time accumulator, can finish the gradient rate.
- Convenient communication network, facilitate the management of computer networking, improve the management efficiency, save running costs.



Communication Network

