

ULTRA FLOW

UFW-ULTRASONIC WATER METER



DN15-DN40



DN50-DN150



DN200-DN500

FEATURES

- It has an ultrasonic working system.
- It is manufactured in accordance with European ISO4064-2014 directive.
- It has carbon steel - 304 SS or 316 SS body options.
- Can be mounted horizontally or vertically.
- Dual-channel and four-channel measurement models are available.
- Features a wide measurement range and ultra-low power consumption.
- They have an IP68 protection rating.

APPLICATIONS

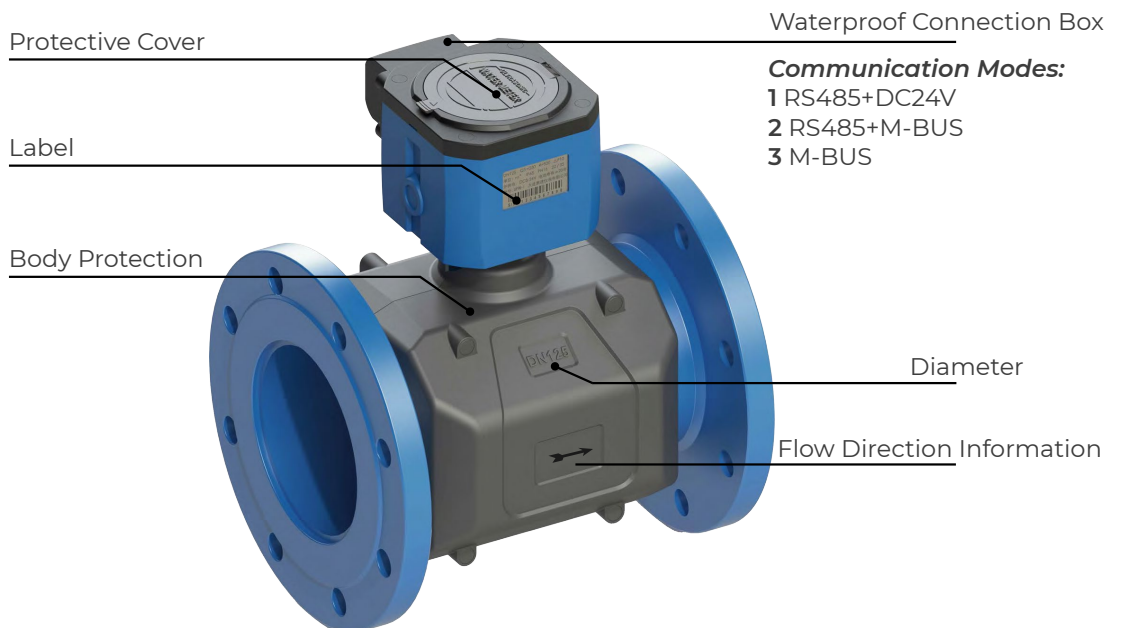
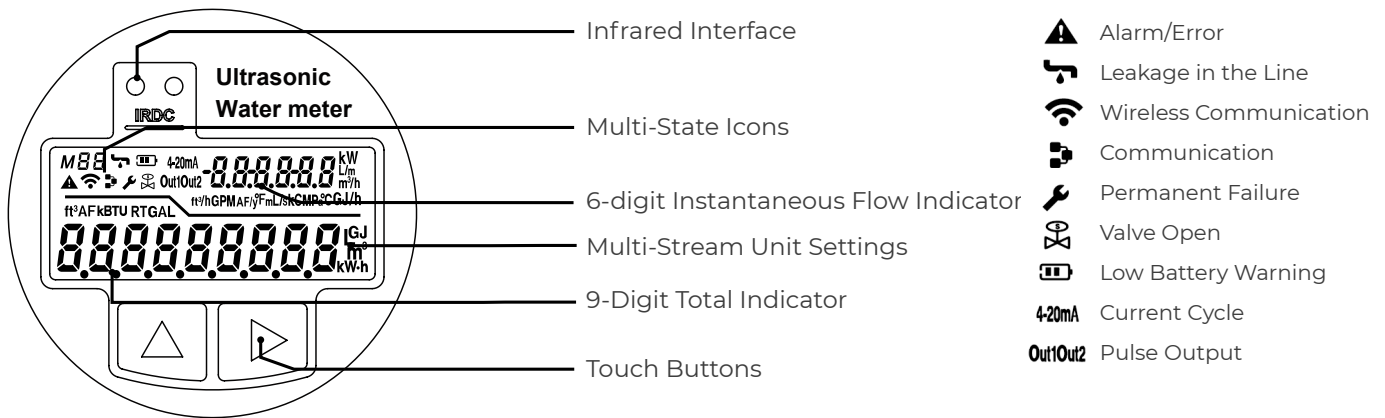
- In textile machines,
- In calorimeter systems,
- In the measurement of clean water containing particles,
- In the paint, chemical, and food industries,
- In water purification and agricultural irrigation systems,
- In the measurement and control of demineralized water it can be used.

UFW MODEL ULTRASONIC WATER METERS

UFW model Ultrasonic Water Meters cater to different needs with models that can withstand temperatures ranging from 50°C to 130°C. Thanks to their durable construction, lack of moving parts, and IP68 protection, they can be used safely in any environment. Additionally, these meters can operate without requiring calibration for extended periods and offer the flexibility to be used with different fluids and measurement systems. They are also available with various housing options, including Carbon Steel, 304 SS, and 316 SS.

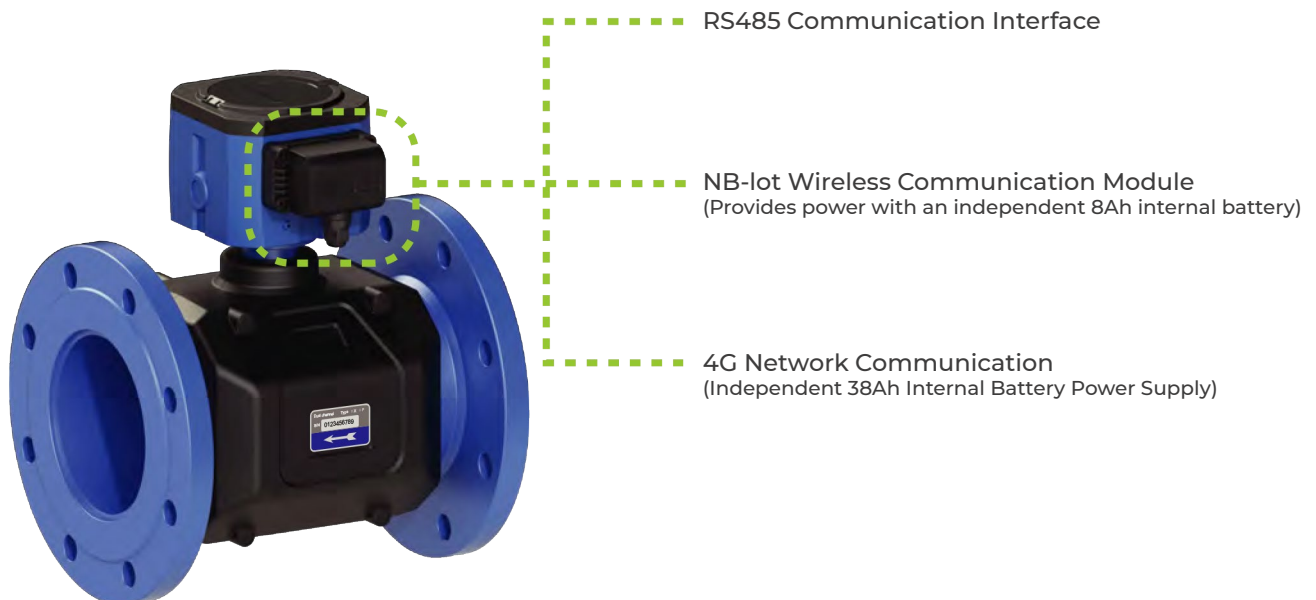
UFW model Ultrasonic Water Meters are available with lithium battery or 24 VDC power supply options. The display features a 6-digit Instantaneous Flow Rate indicator and a 9-digit Total Flow Rate indicator.

METER FEATURES



TECHNICAL SPECIFICATIONS

Main Standard	ISO4064-2014
Fluids to be Used	Water, Wastewater, Demineralized Water, Seawater (The pipeline must always be filled with liquid.)
Diameters	DN15-DN40 , DN50-DN500
Fluid Temperature	DN15-DN40: 0 - 90°C DN50 - DN500: Cold: 0.1 - 30°C / Hot: 0.1 - 130°C
Ambient Temperature	-30 / +45 Nem: % 100 (RH)
Pressure	16 Bar (25 Bar Option)
Pressure Loss	DN15-DN40 ΔP 40 (0,0004 bar= 0); \geq DN50 ΔP 10 (0,0001 bar= 0)
Inlet Side Straight Pipe Distance	U3
Outlet Side Straight Pipe Distance	D0
Measurement Class	C Class
Electromagnetic Compatibility Class	E2 Class
Accuracy	%2 +/-
Communication Interfaces (Optional)	RS485 / RS485 & M-BUS / RS485 & OCT
Output Signal	OCT (Option)
Power Supply	2 Lithium Batteries or External DC8-24V
Protection Class	IP68
Screen Feature	Two-Line Digital Display: 9-Digit Total, 6-Digit Instantaneous Flow Indicator, Various Warning Symbols and Units.
Data Storage	Automatic recording of 31 days and 32 months of flow
Flow Measurement Cycle	Measurement Verification: 1 time/second (Adjustable)
Energy Consumption	Less than 30uA in standard application (20 years of continuous operation)
Material	Measuring Tube: DN15-DN40 - Bakır (304 SS, 316 SS Option) DN50-DN500 - Karbon Çelik (304 SS, 316 SS Option) Sensor: PEEK; Protective Cover: Glass Fiber Reinforced Nylon



UFW ULTRASONIC WATER METER OPTIONS

- **Industrial Class Small Diameter Ultrasonic Water Meter (DN15-DN40) - R200**
Flow Tube Material: Copper, (304 and 316 stainless steel options available.)



DN15-DN40
Copper Body



DN15-DN40
304 or 316 SS Body

- **Dual Channel Ultrasonic Water Meter (DN50-DN500) - R100**
Flow Tube: Carbon Steel (Probes: 304 SS), 304 or 316 stainless steel options are available.



DN50-DN150



DN200-DN500

- **Four-Channel Ultrasonic Water Meter (DN80-DN500) - R200**
Flow Tube: Carbon Steel (Probes: 304 SS), 304 or 316 stainless steel options are available.



DN80-DN150



DN200-DN500



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