

# Ultrasonic Flow Meters



  
ELECTRONET™



## TWO WIRE INLINE ULTRASONIC FLOW METER

ASIONIC® - 100

Electronet series ASIONIC® 100 are micro-controller based 2 wire full bore type ultrasonic flow transmitters specially used for various industrial applications. These flow transmitters accurately measure the flow rate of conductive/ non conductive liquids in closed pipes. Due to its simple and rigid design, the flow transmitter is an obstruction-less and maintenance-free instrument in place of conventional mechanical flow measuring device.



### Features

- 2 wire system with HART communication
- Ultrasonic measurement using Transit Time Technology
- Full bore type
- Suitable for Conductive and Non Conductive Liquids
- Material option depending upon Process Data
- Empty Pipe Indication
- Local Indication through LCD Display
- Maintenance Free
- Options of Integral and Hot Retractable Sensors
- Protection Class : Electronics - IP-66, Flow Tube - IP-68

## MAINS POWERED ULTRASONIC FLOW METER

ASIONIC® - 200

Electronet series ASIONIC®-200 is a micro-controller based full bore type Ultrasonic Flow Meter, specially used for various industrial applications. These flow meters accurately measure the flow rate of liquid in closed pipes. Due to its simple & rigid design, the flow meter is an obstruction-less and maintenance free instrument in place of conventional mechanical Flow measuring devices.



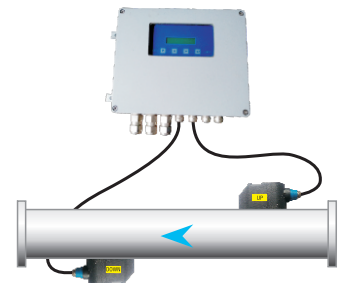
### Features

- Ultrasonic Measurement using Transit Time Technology
- EMI / EMC Compliant
- Single / Dual / Quad beam technology for precise Measurements
- Excellent Long Term Stability and Reliability
- Inline / Hot retractable sensor assembly
- Multiple Outputs : 4 to 20mA, 4 to 20mA with HART
- Empty Pipe Indication
- Protection Class : Electronics -IP 66, Flow Tube-IP 68
- No Pressure Drop

## CLAMP ON TYPE ULTRASONIC FLOW METER

ASIONIC® - 200C

ASIONIC®-200C Clamp-on Ultrasonic flow meters measure liquids in industrial applications. Because the sensor is clamped on to the outside of the pipe, it is immune to the process compatibility concerns of an in-line flow metering technology. ASIONIC®-200C clamp-on ultrasonic flow meter operates using transit time measurement.



### Features

- Ultrasonic measurement using Transit Time Technology
- Easy installation, no need to cut pipe or stop flow
- Minimal maintenance, external transducers do not require periodic cleaning
- No Pressure Drop or Energy Loss
- Bi-directional Flow Operation
- Suitable for wide range of pipe diameters
- Portable / Fixed installation options
- Small in size and weight
- User friendly
- Inbuilt Data Logging

## BATTERY OPERATED ULTRASONIC FLOW METER

ASIONIC® - 400

Electronet series ASIONIC®-400, Battery-Powered Ultrasonic flow meters gives the flexibility to install a reliable flow meter, virtually anywhere, without distorting accuracy and performance with long battery life. The product is engineered for various industrial as well as domestic applications such as Municipal and Industrial Water applications, Cooling tower, Water treatment, etc.



### Features

- Ultrasonic measurement using Transit Time Technology
- Full Bore Type
- Local Indication through LCD Display
- Simple and Cost Effective Construction
- Automatic Meter Reading option over GSM & RF
- Battery Operated
- IP 68 Construction
- Leak Burst and Tamper Detection
- No Pressure Drop
- Empty Pipe Indication

## FLOW - PRESSURE - TEMPERATURE ULTRASONIC FLOW METER

ASIONIC® - 400 U

Electronet series ASIONIC®-400U, Battery-Powered Ultrasonic flow meters gives the flexibility to install a reliable flow meter, virtually anywhere, without distorting accuracy and performance with long battery life. The product is engineered for various industrial as well as domestic applications such as Municipal and Industrial water applications, cooling tower, water treatment plants etc.



### Features

- Ultrasonic Measurement using Transit Time Technology
- Flow, Pressure, Temperature Display and Transmission
- Full Bore Type
- Local Indication through LCD
- Automatic Meter Reading option over GSM & RF Networks
- Battery Operated
- Empty Pipe Indication
- IP 68 Construction
- Leak Burst and Tamper Detection
- No Pressure Drop

## TWO WIRE ULTRASONIC FLOW METER

ASIONIC® - TX-22

Electronet series ASIONIC® TX-22 are micro-controller based 2 wire full bore type ultrasonic flow transmitters specially used for various industrial applications. These flow transmitters accurately measure the flow rate of conductive/ non conductive liquids in closed pipes. Due to its simple and rigid design, the flow transmitter is an obstruction-less and maintenance-free instrument in place of conventional mechanical flow measuring



### Features

- 2 Wire Configuration
- Ultrasonic measurement using Transit Time Technology
- Full bore type
- Suitable for Conductive and Non Conductive Liquids
- Material option depending upon Process Data
- Empty Pipe Indication
- Local Indication through LCD Display
- Maintenance Free
- Protection Class : IP-68

# Applications

Food Industry



Automation Industry



Chemical Industry



Thermal Power Energy



Atomic Energy



Manufacturing Industry



Process Industry



Water Treatment Industry



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\* Due to our continuous product revisions, design specification and model numbers are subject to change without notice.