

Surface Mounted Clamp-on Ultrasonic Flow Meter ULTRA 2400W

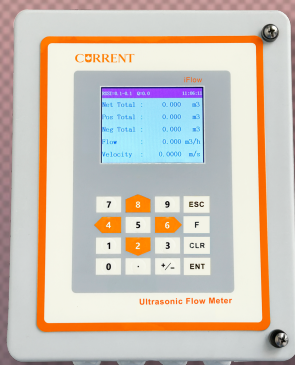
LARGE 3.5 INCHES 5 LINES COLOR LCD DISPLAY

4~20MA, PULSE, MODBUS, RS232, RELAY, DATA LOGGING

CLEAN & SOMEWHAT DIRTY LIQUIDS

WEATHER PROOF (IP66)

FLOW RATE, TOTALIZER & BTU



TRANSDUCERS (IP68)



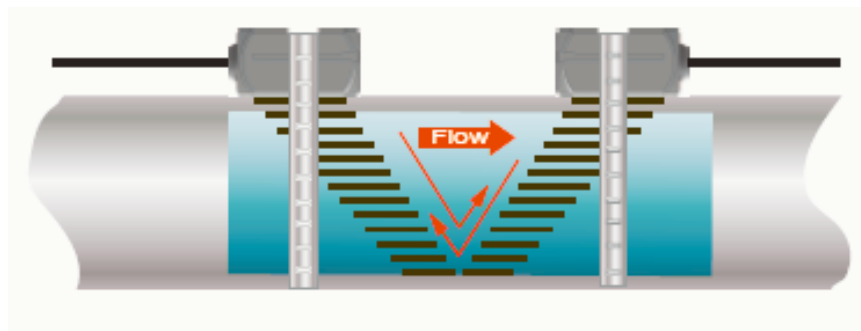
20MM TO 5000MM PIPE ID

- ◉ **Non-Invasive**
Easy to install, and require no pipe cutting/welding or process interrupt
- ◉ **Covers small to larger pipe diameters**
Diameters from 1"...236" (25mm...6000mm)
- ◉ **Wide liquid temperature range**
-35°C~200°C
- ◉ **Large bi-directional range**
Flow range of 0.01 m/s to 12 m/s
- ◉ **High accuracy**
Up to 1% of reading
- ◉ **Data logging**

Transit Time Clamp-on Ultrasonic Flow Meter

The ULTRA 2400W is a clamp-on ultrasonic flow meter that measures the flow of liquids and liquefied gases in a fully-filled pipe. It utilizes two clamp-on ultrasonic transducers installed on the external surface of the pipe, which work on the transit-time principle. This makes it non-invasive and non-intrusive, making it easy to use. It can cover a wide range of pipe diameters with two pairs of transducers. Additionally, it has an optional thermal energy measurement capability, which allows for a thorough analysis of thermal energy usage within a facility.

This flow meter is easy to use and versatile, making it an excellent tool to support maintenance and service activities. It can also serve as a temporary replacement for permanently installed meters.



- Water & Wastewater
- Chemicals
- Oils
- Beverages
- Liquid foods
- Sludge
- Utilities
- BTU measurement

Specifications

Transmitter

Measuring range	0.01 to 12 m/s, bi-directional
Resolution	0.25mm/s
Signal output	4-20mA, Pulse, Modbus RS485, RS232, Relay
Accuracy	±1.0% of reading at rates >0.3 m/s);±0.003 m/s of reading at rates<0.3 m/s
Repeatability	0.2% of reading
Response time	0.5s
Ambient temperature	-20°C to +60°C (-4...+140 °F)
Configuration	Via LCD or Modbus
Units	User configurable, rate, totalizer, & BTU (optional)
Power supply	AC: 85-265V DC: 24V/500mA
Protection class	IP65
Housing material	Fiberglass
Area classification	General Purpose

Protection	IP65 (Standard), IP67 & IP68 (Optional)
Medium temperature	-35°C~200°C (-31....+392 °F)
Pipe I.D. range	20-50mm for type B, 40-5000mm for type A
Transducer Material	Aluminum+Peek
Cable Length	10m (Standard), longer cable on request
Temperature Sensor	Pt1000, 0 to 200°C, Clamp-on and Insertion type Accuracy: ±0.1%
Housing material	Fiberglass
Area classification	General Purpose

Accessories



S-S Clamp



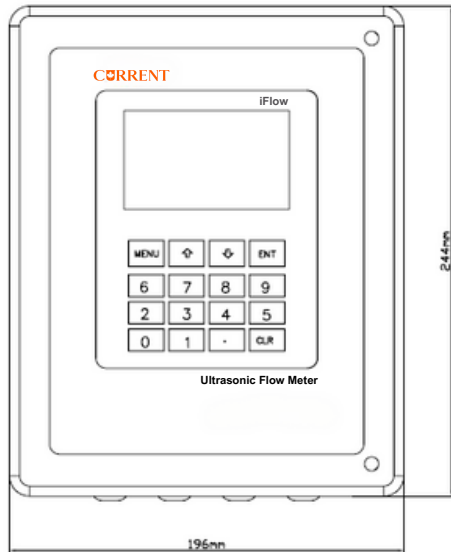
PT1000 Insertion



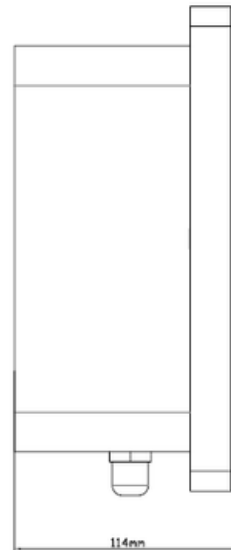
PT1000 Clamp-on



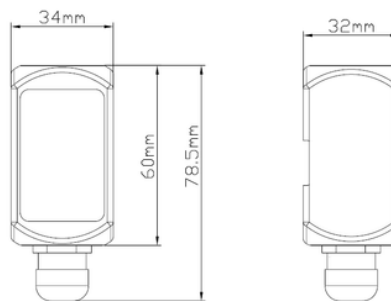
Coupling Gel



Front View



Side View



Transducers

For more info and application review,
contact us



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