

UF31210 Clamp-On Ultrasonic Flow Sensor



The UF31210 Clamp On Ultrasonic Flow Sensor measures the flow rate of liquids in flexible tubing. The sensor uses ultrasonic transit-time technique, and is noninvasive in nature, making it ideal for mediums that need to be kept uncontaminated.

Soft plastic tubing can be easily inserted into the sensor with the help of coupling gel or grease. UF31210 can be freely suspended on the tube or can be installed in machines or devices. The sensor is required to be used in conjunction with SMD FlowDAQ® system to operate.

Product Specifications:

Tube Size:	1/2" [12.7 mm] OD Tubing
Fluid Temperature:	0 to 65 °C
Flow Range:	0 to 20 L / min Bidirectional
Cable Length:	1.5 m typical
Zero Offset:	+/- 30 mL / min
Accuracy:	+/- 3 % plus zero offset
Resolution:	+/- 10 mL / min
System Interface:	FlowDAQ control module
Coupling Material:	Only required for certain tube materials. Contact SMD

Features:

- Bidirectional Measurement
- Bubble Detection and Alarming
- No Contamination to Fluid
- Temperature Measurement Optional

Applications:

- Medical Devices
- Laboratory Tests
- Bio/Pharmaceutical Process
- Water Treatment, Food, & Beverage

