

UF31010 Clamp-On Ultrasonic Flow Sensor



The UF31010 clamp on flow meter ultrasonically measures the flow rate of liquids in flexible tubing. The sensor uses an ultrasonic transit-time technique, and is noninvasive in nature. Clamp on sensors are ideal for medical, bioprocess, pharmaceutical and industrial applications where strict hygienic standards are required.

Soft plastic tubing is easily inserted into the sensor with the help of coupling gel or grease. UF31010 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:

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|---------------------------|---|
| Tube Size: | 3/8" [9.5 mm] OD Tubing |
| Fluid Temperature: | 0 to 50 °C |
| Flow Range: | 0 to 10 L / min bidirectional |
| Cable Length: | 1.5 m typical |
| Zero Drift: | +/- 20 mL / min |
| Accuracy: | +/- 3% plus zero offset |
| Resolution: | +/- 6 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

