Custom Ultrasonic Bubble Sensor / Air-In-Line

Custom Air-In-Line and Bubble Sensors utilize proprietary digital bubble detection systems that allow precise bubble size calibration for a range of fluids, allowing extremely accurate bubble detection, as small as one microliter. Strain Measurement Devices’ experienced engineers will work with you to develop and deliver a custom prototype to suit your application in a little as three weeks.

Features:
- Noninvasive Technology
- Available for a Wide Range of Tubing Materials & Sizes
- Ideally Suited for OEM Applications
- Low Power Consumption
- Combination Bubble/Occlusion Sensors Available

Applications:
- Medical Devices
- Semiconductor Processing
- Pharmaceutical
- Food Dispensing Equipment
- Chemical Processing
- Oil and Gas

Options:
- Integral Tube Clamping
- 3.3 VDC Input Optional
- Redundant Sensing Capability
- Relay/Custom Output Signal
- Red/Green LED for Visual Indication
- Combination Bubble/Occlusion Sensor
- Remote Electronics for Small Form Factor

Specifications

| Bubble Sizes: | 1µL, 10µL, 100µL, 1000µL |
| Sensor Input: | 5-12 VDC (<10 mA) |
| Sensor Output: | 5V/0V (Typical) |
| Response Time: | 50 Microseconds (Typical) |

Lead Out (Typical)

| Red: | 5-12 VDC |
| Black: | Ground |
| Green: | Output |
| White | Test (Optional) |

Please Contact Us for All Your Custom Application Needs!

Strain Measurement Devices reserves the right to modify its design and specifications without notice.

www.smdsensors.com