

## A330 Bubble Detector/Air-In Line Sensor



The A330 Air-In-Line/Bubble Detector is one of our standard sensors for use with most 3/16 inch OD tubing. It uses our proprietary digital noninvasive ultrasonic bubble sensing technology to accurately and reliably detect bubbles in a wide variety of fluids and tubing materials. Custom characteristics can be provided for OEM users.

Specifications:	
Tube Size:	3/16" OD Nominal
Bubble Size:	Customer Selectable
Sensor Input:	See Product Configuration
Sensor Output:	High: Liquid   Low: Air (See Product Configuration)
Response Time:	50 Microseconds (typical)

Lead Out (Typically):	
Red:	VCC
Black:	Ground
Green:	Output
White:	Test (Optional)

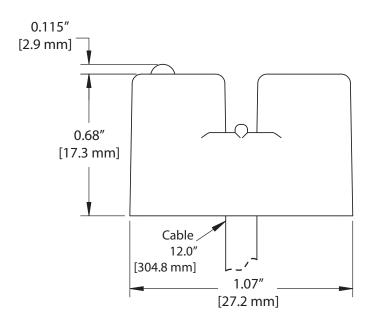
## **Features:**

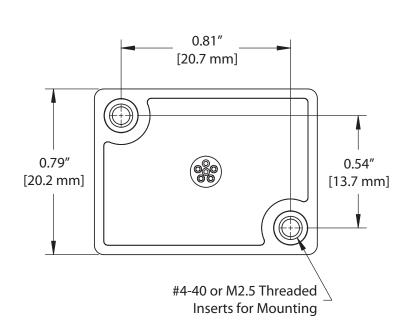
- Optional integrated self-test function
- · Power consumption as low as 3mA on some models
- · Dry-couples with a variety of tubing materials
- · Custom pinouts, cables, and connectors available
- · Digital "smart" circuit for superior customability
- · Noninvasive ultrasonic bubble sensing technology
- · Optional red/green LED for visual output indication

## **Applications:**

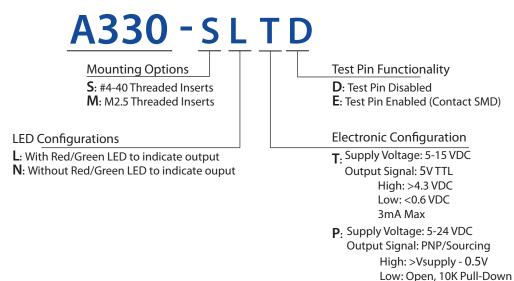
- · Medical Instrumentation
- · Semiconductor Processing
- · Food Dispensing Equipment
- · Chemical Processing
- Pharmaceutical Industry







## **Product Configuration**



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300mA Max