INTRODUCING

HIGH-RESOLUTION AIR BUBBLE DETECTOR AD-102

- **High sensitivity bubble detection resolution of 25% of tubing inner diameter**
- **Customizable tubing sizes allow for versatility and easy integration**



At TE Connectivity, we are constantly pushing the boundaries of innovation to enhance patient outcomes and improve medical device performance. It is with great excitement that we introduce the High-Resolution Air Bubble Detector AD-102. This high-resolution detector offers unparalleled accuracy and versatility for fluid delivery systems, with high sensitivity bubble detection resolution of 25% of tubing inner diameter.

Our customizable tubing sizes allow for easy integration, while the non-invasive design eliminates sterility and fluid compatibility concerns. Additionally, the high noise immunity enables accurate results even in noisy environments. The on-demand self-test enhances precision, helps eliminate false positives, and provides a seamless user experience, making it an excellent choice for medical device manufacturers.

KEY BENEFITS

- High sensitivity bubble detection resolution of 25% of tubing inner diameter
- Customizable tubing sizes allow for easy integration into a wide range of medical applications (ranging from 3mm to 10mm, with 6mm as standard)
- Non-invasive design eliminates sterility and fluid compatibility concerns.
- High noise immunity ensures accurate and reliable results in environment with electrical noise
- On-demand and continuous self-test eliminates false positives saving time on unnecessary troubleshooting.

TARGET MARKETS

- Medical Pump Equipment Manufacturers

APPLICATIONS

- Medical Pump Devices: Dialysis Machines, IV Infusion Systems, Blood Transfusion Systems, Syringe Pumps, Insulin Pumps

PERFORMANCE SPECIFICATIONS

Electrical:

Please refer to datasheet for full values

- Operating Current: 2mA min 10mA max
- Response Time: 0.1ms min 0.3ms max

Mechanical:

- Operating Temperature: 0 to 60°C
- Operating Pressure: 700 to 1060 hPa

LEARN MORE

- AD-102 Product Page
- Medical Pump Solution Guide
- Medical Pump Applications Whitepaper
- Air Bubble Detector Comparison Chart
- Dialysis Sensor Solution Guide
- AD-102 Product Sell Sheet
- Datasheet

TE Connectivity, TE and TE connectivity (logo) are trademarks.