SONOCHECK ABD AIR BUBBLE SENSORS | MEDICAL DEVICES

for medical applications with very high safety requirements

PRODUCT BENEFITS

Different safety concepts
Non-invasive measurement
Compact & modular design
Built-in electronics, no external electronic board required
Application-specific microbubble detection
No coupling medium required
No wear and tear
Optional software for parameterization and testing

Get a Quote
SONOCHECK ABD05
Clamp-On Bubble Detector

SONOCHECK ABD07
Miniaturized Clamp-On Bubble Detector
SONOCHECK ABD08
Clamp-On Bubble Detector
The non-invasive SONOCHECK ABD05 | ABD07 | ABD08 bubble sensor series has been specifically designed for very high safety requirements in medical devices. The smart sensors are applied to detect air and gas bubbles or foam in flexible plastic tubes filled with liquids such as blood, blood plasma, water or saline solution or are used for wet/dry alarm notifications.

In most medical applications, the sensors are intended to prevent air infusions which could lead to an endangerment of patients.

ABD AIR BUBBLE SENSORS FOR MEDICAL TECHNOLOGY - EASY PLUG & PLAY INTEGRATION

Compact design for applications with high hygienic requirements
Tubes are simply inserted into the sensor with dry coupling
Automated adaption onto dynamically changing acoustic conditions

SMART SENSORS WITH COMPREHENSIVE SECURITY ARCHITECTURE

SONOCHECK air bubble sensors of the ABD05 | ABD07 | ABD08 series incorporate intelligent ultrasonic transmission technology and innovative safety concepts in order to provide maximum sensor reliability. Depending on the sensor type, the various safety features include...

- Redundant sensors with two receivers and electronics,
- Single channel design where the sensor performs cyclical self-tests and
- Advanced fail-safe architecture where self-test routines are continuously performed without having any blind-times.

The non-invasive bubble sensors feature an asymmetric algorithm, which provides a dynamic adjustment to set the optimal operating point at any condition.

MEDICAL GRADE SONOCHECK ABD AIR BUBBLE DETECTORS - SENSOR OVERVIEW

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<th>ABD05</th>
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TTL Logic ✓ ✓ ✓ ✓

Outputs

Serial ✓ ✓ ✓ ✓

PWM ✓ ✓ ✓ ✓

RoHS/REACH Certificate ✓ ✓ ✓ ✓

Miniaturization ✓

Downloads

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APPLICATIONS

Dialysis and transfusions
Heart-lung & ECMO machines
Blood separators
Pumps for medical technology (infusion, heart, feeding, contrast medium)
Diagnostic systems
Organ transport

SONOFLOW CO.56/CO.56 PRO | HYBRID FLOWBUBBLE SENSOR FOR MEDICAL DEVICES
Do you have any questions?

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