

CONTINUOUS MONITORING. RAPID DETECTION.

Automated, On-Site, On-Time Detection of Airborne Pathogens.

Rapid Reader—Rapid Microbial Detection System

Aire~Pathogen Alert is a patented rapid microbial detection sensor that facilitates remote monitoring of airborne pathogens (bacteria, yeasts and molds) and revolutionizes the approach to pathogen detection and control.

Benefits—The RAPID Reader significantly shortens contamination detection times and automates the sampling, monitoring and detection process. The sensor is connected to the cloud-based monitoring and alert system so you can receive alerts whenever contamination is detected.

- Low cost wireless installation
- No incubation or analysis period
- Less intervention
- Detection specificity
- Continuous cloud-based monitoring
- Traditional presentation of results
- Isolation of contamination sources with multiple monitored points

The RAPID Reader has been engineered to periodically draw a sample of ambient air into the accompanying cartridge, where spores and microbes present in the air have time to settle on the nutrient-rich detection site. Optical density measurements on growth facilitation media determine if microbial contamination is present.

Cartridge System

- Cartridges are designed to be easily exchanged without risk of contamination.
- Cartridges are tailored to detect specific pathogens.



AIRE~PATHOGEN ALERT™

TECHNICAL SPECIFICATIONS

Inputs	100-240V International Adapter	DC9V +/- 10%, 1A (Supplied)
Wireless Outputs	ZibBee 2.4 GHz	66.1
Temperature Range	Operating Temperature (°F) Storage Temperature (°F)	60 - 86 35 - 46
Humidity Range	% RH continuous	40 - 100
Enclosure	IP rating for indoor installation	IP 10
Air Flow	Volume of air sampled/hr	0.6 m3

CARTRIDGE SPECIFICATIONS	PATHOGEN TYPE	TESTED
Aspergillus	Mold	Yes
E-Coli	Gram negative bacteria	Yes
Cronobacter Sakazaki	Gram negative bacteria	Yes
Listeria	Gram positive bacteria	Yes
Legionella	Gram negative bacteria	Yes
Staphylococcus Aureus	Gram positive bacteria	Yes
Mycobacterium Tuberculosis		Ongoing