

INTELLIGENT REAL-TIME BIOAEROSOL SENSING



Real-Time Monitoring
Advanced Laser Analysis
Machine Learning Ready

APPLICATIONS

- Real-time pollen counting
- Particulate matter monitoring
- Bacterial and fungal spore detection
- Virus aerosol research

Bioaerosol sensing

Identifying threats with the most advanced laser analysis



Real-time airborne particle identifier with the most efficient laser analysis and embedded intelligence

Rapid-E+ is an intelligent bioaerosol sensor that analyzes single aerosol particles in real time using patented, proprietary laser technology. The updated version of the popular Rapid-E instrument has improved optical measurements and more efficient sampling. Its newly developed air sampling head provides increased air flow with much less loss, outperforming all existing alternatives.

Rapid-E+ is also the only instrument with integrated intelligence through GPU (graphics processing unit) acceleration. It allows much faster data acquisition and processing, bringing game-changing performance to aerosol tracking and identification in complex environments.

Rapid-E+ continuously measures and characterizes any airborne particle ranging between 0.3 and 100 micrometers, including bacteria, fungal spores, viruses, pollen, and other aerosols. Proven by years of uninterrupted measurements, Plair's technology, which is based on a unique combination of scattered light pattern analysis and fluorescence spectroscopy, enables researchers to reliably monitor ambient air in real time. Rapid-E+ operates autonomously and remotely, allowing access to data anywhere and anytime.

Designed for indoor and outdoor use

Available accessory: outdoor enclosure



For technical questions about Rapid-E+ and its specifications, please contact us at info@plair.ch

Contact Us

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About Plair SA

Identify Invisible Threats

Headquartered in Geneva, Switzerland, Plair SA manufactures and provides instruments for high-specificity airborne particle analysis in real time, offering solutions for instantaneous and continuous environmental monitoring in different industries.

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