



® Knowledge
Beyond
Measure.

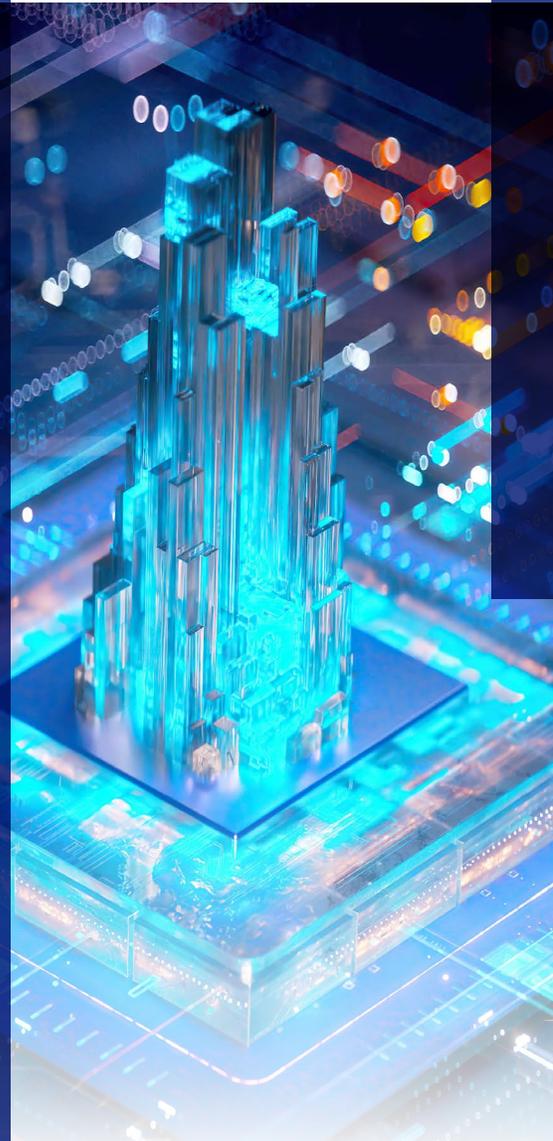


Lower Your Risk. Don't Fail Audits. Contamination Control Monitoring.

Electronics and Semiconductors

Meeting the Industry Standards

- ISO 14644-1: 2015 — Cleanrooms and associated controlled environments
- ISO 21501-4:2018



Lower Your Risk. Don't Fail Audits. Contamination Control Monitoring

Airborne Particle Counters

10 nm to 25 µm measurement

Models for every electronics and semiconductor environment and application including:

- Cleanroom monitoring
- Tool monitoring
- Gas Monitoring

1 AeroTrak® Cleanroom Condensation Particle Counter

- Confident 24/7 operation
- Minimal maintenance
- High flow rates
- Ultra-low false count rates
- No contamination or chemicals introduced into the ultra-clean environment

2 AeroTrak®+ Remote Particle Counters* Ultra-Reliable Data Collection

- Protect against network failures with six months of data storage
- Flexible environmental monitoring system with Wi-Fi® communication

3 Aerosol Sampling Manifold

4 High Pressure Diffusers

5 AeroTrak®+ Portable Particle Counters*

- Different sample modes for monitoring, classifying, and root cause investigation
- Built-in monitoring and classification reports

6 AeroTrak® Handheld Particle Counters

7 Remotes with Pump

8 Integrated Environmental Monitoring Probes

* Unmatched 5 Year Laser Warranty

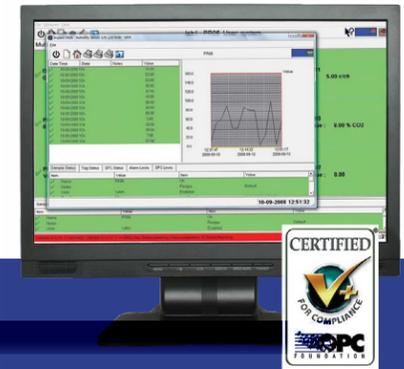


Environmental
Monitoring
Data

TSI® Facility Monitoring Software: Reliable Monitoring Systems

Distributed. Flexible. Redundant.

- No single point of failure
- Data available where and when you need it
- Easily scalable



A Monitor: Data Collection

- Fault-tolerant design
- Protects against network failures
- Hot-standby options

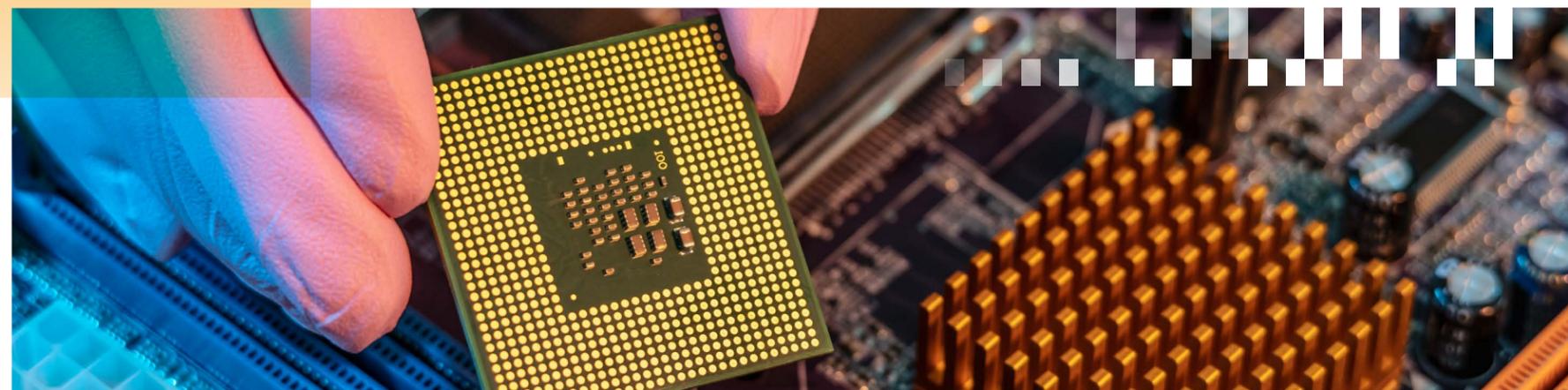
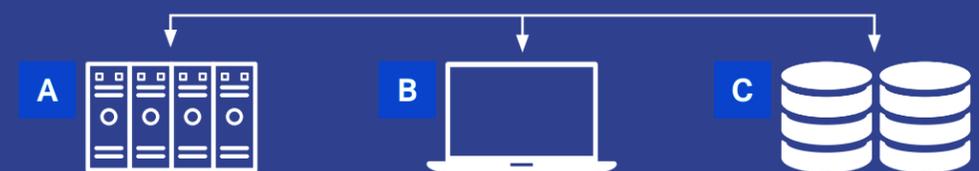
B Client: Interface

- Turn data into knowledge with alarming, reports, and trending
- Does not effect monitor or database functions
- Multiple clients possible

C Database: Secure Storage

- Valuable data is safe and secure
- Redundancy is standard with a mirror database
- SQL for high availability and fast access

FMS Architecture



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Facility Monitoring System

A reliable monitoring system that ensures environmental control and decreases downtime

Model	Flow Rate	Benefits and Features
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Remote Particle Counters

Designed for continuous monitoring as part of the Facility Monitoring System with Analog and WiFi options

AeroTrak®+ 6000 series	0.1 CFM (2.83 LPM)	Measure down to 0.2 or up to 25 µm, includes onboard pump, compact size, many communications options
AeroTrak®+ 7000 series	0.1 CFM (2.83 LPM) & 1 CFM (28.3 LPM)	Measure down to 0.2 or up to 25 µm, compact size, many communications options
AeroTrak®+ 6310	1 CFM (28.3 LPM)	Full 1 CFM flow rate, 0.3 to 5.0 channels available, field-removable sensor/pump
AeroTrak® 7110	1 CFM (28.3 LPM)	Accurately measures particles down to 0.1 µm, complies with all requirements of ISO 21501-4

Portable Particle Counters

Versatile instruments suitable for classification and monitoring

AeroTrak®+ A100 Series	1 CFM (28.3 LPM), 1.77 CFM (50 LPM), and 3.53 CFM (100 LPM) models available	Intuitive interface, simplifies sampling with workflows, built-in classification and monitoring reporting capabilities, gas and filter testing Accurately measures particles down to 0.1 µm, includes display & onboard pump, provides classification testing, complies with all requirements of ISO 21501-4
AeroTrak® 9110	1.0 CFM (28.3 LPM)	

Handheld Particle Counters

Economical choice for higher class cleanrooms and investigations

AeroTrak® 9303	0.1 CFM (2.83 LPM)	Small and lightweight, low cost and versatile
AeroTrak® 9306	0.1 CFM (2.83 LPM)	Versatile, user-selectable channel version available

Cleanroom Condensation Particle Counter

The only water-based, laminar flow CPC on the market that can run continuously, 24/7, or as a standalone unit

AeroTrak Cleanroom CPC 9001	0.1 CFM (2.83 LPM)	Measures down to 10 nm like no other, ultralow zero counts for cleanroom processes
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Compliance
Data Integrity
Ease of Use
Profitability

Risk
Downtime
Cost
Waste



Unmatched
5 Year Laser
Warranty

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Wi-Fi is a registered trademark of the Wi-Fi Alliance.



Knowledge Beyond Measure.

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