

AEROTRAK-PLUS REMOTE PARTICLE COUNTER 7000 SERIES

SKU: 7510-22050

Flow Rate 0.1 CFM (2.83 L/min), 1 CFM (28.3 L/min) / Channel Sizes 0.2 to 25 μm



PRODUCT DETAILS

TSI AeroTrak[®]+ Remote Particle Counters offer cleanroom professionals top-notch reliability and no-hassle operation in measuring a wide range of particle sizes, including a 6-channel model with upper size threshold of 25 μm . They are designed so that you have critical data at your fingertips—using second-by-second sampling—without worry of data interruption or potential data loss. The reliability of the laser technology inside cannot be challenged as TSI offers the industry’s best laser warranty coverage ever—5 years. All models comply with the stringent requirements set forth in the latest ISO 21501-4 calibration standard.

IMPROVING YOUR YIELD. NO MATTER YOUR APPLICATION.

AeroTrak+ Remote Particle Counters are ideal for installation in fixed locations where external vacuum systems are used, typical to but not limited to pharmaceutical, electronics, semiconductor, and industrial facilities.

EASY INTEGRATION WITH FACILITY MONITORING SYSTEM (FMS)

All model AeroTrak+ Remote Particle Counters are designed for reliability and peace of mind with heavy industrial electrical immunity compliance and onboard data storage of 250,000 sample records. Data is quickly and easily shared with multiple platforms, like a manufacturing execution system (MES), when integrated with [TSI FMS OPC UA Client/Server Software](#).



WHY WOULDN'T YOU WANT FMS?

There are multiple benefits in use, and it makes great business sense.

- Reduced waste
- Improved yield
- Improved quality
- Increased profits

MODEL SELECTION GUIDE

AeroTrak+ Model	Flow Rate	Channel Sizes	Recommended Manufacturing Application
7201	0.1 CFM (2.83 L/min)	0.2, 0.3 µm 0.2, 0.3, 0.5, 1.0 µm	<ul style="list-style-type: none"> • <u>Semiconductor</u>
7301	0.1 CFM (2.83 L/min)	0.3, 0.5 µm 0.3, 0.5, 1.0, 5.0 µm 0.3, 0.5, 5.0, 10.0 µm 0.3, 0.5, 1.0, 5.0, 10.0, 25.0 µm	<ul style="list-style-type: none"> • <u>Electronics</u> • <u>Industrial</u> • <u>Semiconductor</u>
7310	1 CFM (28.3 L/min)	0.3, 0.5 µm 0.3, 0.5, 1.0, 5.0 µm 0.3, 0.5, 5.0, 10.0 µm	<ul style="list-style-type: none"> • <u>Electronics</u> • <u>Semiconductor</u>

AeroTrak+ Model	Flow Rate	Channel Sizes	Recommended Manufacturing Application
7501	0.1 CFM (2.83 L/min)	0.5, 5.0 µm 0.5, 1.0, 5.0, 10.0 µm 0.5, 5.0, 10.0, 25.0 µm 0.5, 1.0, 5.0, 10.0, 25.0 µm	<ul style="list-style-type: none"> • Electronics • Industrial
7510	1 CFM (28.3 L/min)	0.5, 5.0 µm* 0.5, 1.0, 5.0, 10.0 µm 0.5, 5.0, 10.0, 25.0 µm	<ul style="list-style-type: none"> • Electronics • Industrial • Pharmaceutical

* VHP-resistant model available

FEATURES & BENEFITS

EASY INSTALLATION AND RELIABLE OPERATION WITH REDUCED COSTS

- Reliable laser technology backed by the industry's longest warranty (five years)
- Secure, long-term collection and storage of critical manufacturing data
- Reduce installation costs and complexity—wireless enabled with minimal infrastructure
- Identifies industry's widest range of particle sizes by way of available model options
- Simplifies integration with Ethernet or DC power
- Reliable operation with heavy industrial electrical immunity compliance
- Early-warning of adverse environmental trends with per second sampling
- Predictive instrument maintenance alerts
- ISO 14644-14 suitability for use classified
- Sealed inlet prevents accidental ingress of cleaning solutions
- Rapid setup and unit configuration using standard USB-C cable
- Easy integration into [TSI FMS Software](#) with sensor auto discovery
- Easy Integration into third party systems with 4-20 mA analog data output model options
- Model 7510 only
 - Enables 21 CFR Part 11 data collection with FMS Software
 - Meets EU and US FDA Aseptic Processing Guidelines with 1 CFM (28.3 L/min) flow rate, 0.5 µm and 5 µm size channel size options
 - Vaporized hydrogen peroxide (VHP) resistant model option

