

AEROTRAK+ REMOTE AIRBORNE PARTICLE COUNTERS WITH PUMP 6000 SERIES



UNMATCHED
5 YEAR
LASER
WARRANTY

AeroTrak+ Remote Airborne Particle Counters (APCs) with Pump are ideal for installation in locations that do not have external vacuum systems, typical to but not limited to electronics, semiconductor, and industrial facilities. They reduce installation complexity and costs—without worry of data interruption or potential data loss—using internal vacuum pumps and long range wireless communication in facilities with limited infrastructure. AeroTrak+ Remote APCs with Pump are designed to be easily relocated as manufacturing layouts change or facilities redistribute resources or move locations.

Features & Benefits

- + Reliable laser technology backed by the industry's longest warranty (five years)
- + Secure, long-term collection and storage of critical manufacturing data
- + Long range wireless enabled with minimal infrastructure using LoRaWAN architecture and built-in pump—reducing installation costs and complexity
- + Identifies industry's widest range of particle sizes by way of available model options
- + Ethernet or DC power options available
- + Early-warning of adverse environmental trends with second-by-second monitoring
- + Reliable operation with heavy industrial electrical immunity compliance
- + Predictive instrument maintenance alerts
- + Rapid setup and unit configuration using standard USB-C cable
- + ISO 14644-14 suitability for use classified
- + Sealed inlet prevents accidental ingress of cleaning solutions
- + Advanced FMS driver auto discovers sensors reducing integration time

CHOOSE THE RIGHT MODEL FOR YOUR NEEDS

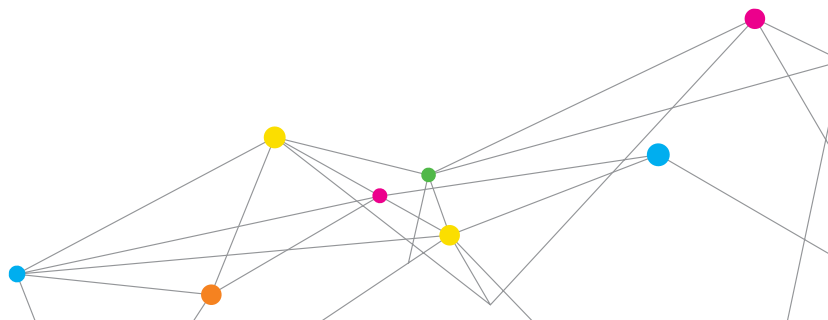
MODEL	FLOW RATE	CHANNEL SIZE OPTIONS	RECOMMENDED MANUFACTURING APPLICATION
<u>6201</u>	0.1 CFM (2.83 LPM)	0.2, 0.3 μm 0.2, 0.3, 0.5, 1.0 μm	Semiconductor
<u>6301</u>	0.1 CFM (2.83 LPM)	0.3, 0.5, 1.0, 5.0 μm 0.3, 0.5, 5.0, 10.0 μm 0.3, 0.5, 1.0, 5.0, 10.0, 25.0 μm	Semiconductor, Electronics, Aerospace, Optics, Automotive, Clean Manufacturing
<u>6501</u>	0.1 CFM (2.83 LPM)	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	Semiconductor, Electronics, Aerospace, Optics, Automotive, Clean Manufacturing

HAVE AN EXTERNAL VACUUM SYSTEM?

Check out AeroTrak+ Remote APCs—designed for use in facilities with external vacuum systems, typical to but not limited to electronics, semiconductor, and industrial facilities.



UNDERSTANDING, ACCELERATED



SPECIFICATIONS

AEROTRAK+ REMOTE AIRBORNE PARTICLE COUNTERS 6000 SERIES

SPECIFIC MODEL SPECIFICATIONS

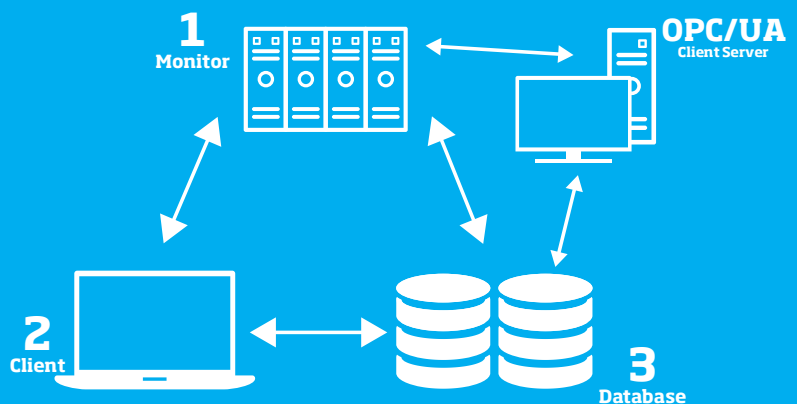
	6201	6301	6501
Size Resolution	<15% @ 0.3 µm (per ISO 21501-4)	<15% @ 0.5 µm (per ISO 21501-4)	
Counting Efficiency	50% at 0.2 µm; 100% for particles >0.3 µm (per ISO 21501-4 and JIS)	50% at 0.3 µm; 100% for particles >0.45 µm (per ISO 21501-4 and JIS)	50% at 0.5 µm; 100% for particles >0.75 µm (per ISO 21501-4 and JIS)

FOR ALL MODELS

<p>Concentration Limit</p> <p>Light Source</p> <p>Laser Warranty</p> <p>Instrument Warranty</p> <p>Calibration Frequency</p> <p>Vacuum Source</p> <p>Communication</p> <p>Wireless Option</p> <p>External Surface</p> <p>Analog Output Options</p> <p>Standards</p> <p>Operating Range</p> <p>Zero Count</p> <p>Sound Pressure Level</p>	<p>4,860,000 particles/ft³ (172,000,000/m³) @ 10% coincidence loss</p> <p>Laser Diode</p> <p>Five Years</p> <p>Two Years</p> <p>One Year</p> <p>Carbon Vane Pump, auto stops if flow blockage detected due inlet capping</p> <p>Ethernet (TCP/IP) Modbus RTU</p> <p>LoRaWAN</p> <p>Stainless steel</p> <p>3 Channels 4-20 mA output: 2 User selectable particle sizes-linear or log scale 1 Status channel</p> <p>CE, JIS B9921, ISO 21501-4</p> <p>50° to 104°F (10° to 40°C) / 20% to 95% noncondensing</p> <p><1 count / 5 minutes (<2 particles / ft³) (per ISO 21501-4 and JIS)</p> <p><50dB @ 1 meter distance - normal running conditions</p>	<p>Sampling Frequency</p> <p>Status Indicator</p> <p>Alarm Output</p> <p>Data Storage</p> <p>Dimensions (HxWxD)</p> <p>Weight</p> <p>Power</p> <p>Storage Range</p> <p>Included Accessories</p> <p>Optional Accessories</p>	<p>1 second to 24 hours Standard sample period data collection plus parallel per second sampling to detect adverse trends</p> <p>Power, service, sampling and Ethernet</p> <p>Normal open dry contact rated 0 to 60 V AC/DC 1 Amp</p> <p>250,000 sample records, 15 minutes of 1 second data</p> <p>5.6 in. x 4.5 in. x 2.6 in. (14.2 cm x 11.4 cm x 6.6 cm)</p> <p>2.3 lb (1.05 kg)</p> <p>Power-over-Ethernet (PoE compliant with IEEE 802.3af) or 12-24 VDC</p> <p>14° to 122°F (-10° to 50°C) / Up to 98% noncondensing</p> <p>Operating manual on USB flash drive</p> <p>Power supply, isokinetic inlets, purge filter, sample tubing, vacuum tubing and remote mounting bracket</p>
--	--	---	---

NO INTERRUPTIONS.
NO DATA LOSS.
NO-HASSLE COMPLIANCE.
Complete facility monitoring systems offered by TSI.

Learn more at www.tsi.com/reliablesystem



UNDERSTANDING, ACCELERATED

TSI Incorporated - Visit our website www.tsi.com for more information.

USA	Tel: +1 800 874 2811	India	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	China	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		