These particle counters can also store up to 3,000 sample records providing data redundancy. Each instrument reports up to four particle sizes simultaneously and other key information such as sensor status, date of last calibration, serial number and date of manufacture for easy warranty management.

Digital calibration allows for consistency when managing a large number of instruments. With the optional Temp/RH sensor, users can save cabling and powering a separate sensor into a monitoring or building automation system. Each TSI AeroTrak Remote Particle Counter also includes an alarm output which allows its users to alarm directly from the particle counter.

Backed with a standard two-year warranty and TSI commitment for superior service and support, there is no other remote particle counter on the market today with such features and benefits.

### Features and Benefits

- AeroTrak 7201: 0.2 to 10 μm
- AeroTrak 7301: 0.3 to 25 μm
- AeroTrak 7501: 0.5 to 25 μm
- 0.1 CFM (2.83 L/min) flow rate
- Up to four channels of simultaneous data
- ISO 21501-4 Compliant
- Ethernet (TCP/IP) and serial Modbus RTU output
- Power-over-Ethernet (PoE) or local power
- 3,000 sample record storage
- Static or dynamic IP address (DHCP)
- Local or remote configuration via web browser
- RoHS Compliant
- Low outgassing and ionics using 3M™ Adhesive Technology
- Stainless steel enclosure
- Optional Temp/RH probe
- Optional external alarm output
**AEROTRAK® REMOTE PARTICLE COUNTERS**  
**MODELS 7201, 7301 & 7501**

**SPECIFICATIONS**

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| 7201  | 0.2 to 10 µm | Standard: 0.2, 0.3 µm  
Optional: 0.2, 0.3, 0.5, 1.0 µm  
Optional: 0.2, 0.3, 0.5, 2.0 µm  
Additional channel sizes available | 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) | 1,160,000 particles/ft³ (41,000,000/m³) @ 10% coincidence loss  
3,400,000 particles/ft³ (120,000,000/m³) @ 10% coincidence loss  
3,400,000 particles/ft³ (120,000,000/m³) @ 10% coincidence loss | Laser diode | <1 count / 5 minutes (<2 particles / ft³) (per ISO 21501-4 and JIS) | 0.1 CFM (2.83 L/min) with ± 5% accuracy | NIST traceable using TSI calibration system | 1 second to 24 hours | External vacuum > 38.1 cm of Hg | Ethernet (TCP/IP) and serial Modbus output | 3,000 sample records | Power, service, counting and Ethernet | Normal open dry contact rated 0 to 60 V AC/DC, 1 Amp | Optional Temp/RH probe 0° to 45°C ± 1°C, 10 to 90% RH ±5% | Stainless steel | 11.5 cm x 4.1 cm x 7.2 cm | 0.43 kg | CE, JIS B9921, ISO 21501-4 | Two years. Extended warranties available | 10°C to 40°C / 20% to 95% noncondensing | Operating manual on CD | Power supply, isokinetic inlets, purge filter, Temp/RH probe, alarm cable, sample tubing, vacuum tubing, data cable and remote mounting bracket |
| 7301  | 0.3 to 25 µm | Standard: 0.3, 0.5 µm  
Optional: 0.3, 0.5, 1.0 µm  
Optional: 0.3, 0.5, 2.0 µm  
Additional channel sizes available | 50% at 0.3 µm; 100% for particles > 0.45 µm (per ISO 21501-4 and JIS) | 3,400,000 particles/ft³ (120,000,000/m³) @ 10% coincidence loss | Laser diode | <1 count / 5 minutes (<2 particles / ft³) (per ISO 21501-4 and JIS) | 0.1 CFM (2.83 L/min) with ± 5% accuracy | NIST traceable using TSI calibration system | 1 second to 24 hours | External vacuum > 38.1 cm of Hg | Ethernet (TCP/IP) and serial Modbus output | 3,000 sample records | Power, service, counting and Ethernet | Normal open dry contact rated 0 to 60 V AC/DC, 1 Amp | Optional Temp/RH probe 0° to 45°C ± 1°C, 10 to 90% RH ±5% | Stainless steel | 11.5 cm x 4.1 cm x 7.2 cm | 0.43 kg | CE, JIS B9921, ISO 21501-4 | Two years. Extended warranties available | 10°C to 40°C / 20% to 95% noncondensing | Operating manual on CD | Power supply, isokinetic inlets, purge filter, Temp/RH probe, alarm cable, sample tubing, vacuum tubing, data cable and remote mounting bracket |
| 7501  | 0.5 to 25 µm | Standard: 0.5, 5 µm  
Optional: 0.5, 1.0, 2.0 µm  
Optional: 0.5, 1.0, 2.0, 5.0 µm  
Additional channel sizes available | 50% at 0.5 µm; 100% for particles > 0.75 µm (per ISO 21501-4 and JIS) | 3,400,000 particles/ft³ (120,000,000/m³) @ 10% coincidence loss | Laser diode | <1 count / 5 minutes (<2 particles / ft³) (per ISO 21501-4 and JIS) | 0.1 CFM (2.83 L/min) with ± 5% accuracy | NIST traceable using TSI calibration system | 1 second to 24 hours | External vacuum > 38.1 cm of Hg | Ethernet (TCP/IP) and serial Modbus output | 3,000 sample records | Power, service, counting and Ethernet | Normal open dry contact rated 0 to 60 V AC/DC, 1 Amp | Optional Temp/RH probe 0° to 45°C ± 1°C, 10 to 90% RH ±5% | Stainless steel | 11.5 cm x 4.1 cm x 7.2 cm | 0.43 kg | CE, JIS B9921, ISO 21501-4 | Two years. Extended warranties available | 10°C to 40°C / 20% to 95% noncondensing | Operating manual on CD | Power supply, isokinetic inlets, purge filter, Temp/RH probe, alarm cable, sample tubing, vacuum tubing, data cable and remote mounting bracket |

Specifications are subject to change without notice.

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