

AEROTRAK® PORTABLE PARTICLE COUNTER MODEL 9350/9550



TSI AeroTrak® 9350 and 9550 Portable Particle Counters offer best in-class features and versatility. They provide a 1.77 CFM (50 L/min) flow with 0.3 or 0.5 µm sensitivity. Compatible with TSI's accurate ventilation probes that measure air velocity/temperature/RH, these products provide you with a complete solution for your certification needs.

Particle count data can be conveniently viewed on screen, downloaded using TrakPro™ Lite Secure software, or printed directly to the integrated printer.

The AeroTrak Portable Particle Counter generates pass/fail reports for ISO 14644-1, EU GMP Annex 1, and FS209E, via the onboard printer and the supplied TrakPro Lite Secure download software. Multiple particle counter configurations can be conveniently stored and uploaded as needed.

These products can be used as a stand-alone particle counter or integrated into a facility monitoring system. Both Models 9350 and 9550 comply with all the stringent requirements set forth in ISO 21501-4. These particle counters are calibrated with NIST traceable PSL spheres using TSI's world-class Classifier and Condensation Particle Counters, the recognized standard for particle measurements. There are no other particle counters like it on the market today.

Features

- AeroTrak 9350 particle counter: 0.3 to 25 µm
- Complies with all requirements of ISO 21501-4
- Easy icon-driven touch screen operation
- USB Cable, USB Storage Device and Ethernet data transfer
- Measures up to six channels of simultaneous data
- Allows storage and recall of recipes and zone configurations
- Displays up to 3 environmental parameters
- Stainless steel enclosure
- AeroTrak 9550 particle counter: 0.5 to 25 µm
- 1.77CFM (50 L/min) flow rate
- Industry's loudest audible alarm
- Lightweight
- Data storage: 250 zones, 999 locations & 10,000 samples
- On board reports for ISO 14644-1, EU GMP and FS209E
- External reporting via TrakPro Lite Secure
- Stand alone or integrate into a facility monitoring system

* Particle counters with a 50L/min and 100L/min are also available – see website for details

Specifications

Aerotrak portable particle counter model 9350 and 9550

Size Range	Model 9350 0.3 to 25 µm	Model 9550 0.5 to 25 µm	Security	2-level password protection to lock out usage and configuration
Particle Channel Sizes	0.3, 0.5, 1.0, 2.0, 3.0, 5.0 µm additional channel sizes available	0.5, 0.7, 1.0, 3.0, 5.0, 10µm additional channel sizes available	Data Storage	250 Zones 999 Locations 10,000 sample records including: date, time, six total particle size channels, flow status and instrument status
Size Resolution	<15% @ 0.5 µm (per ISO 21501-4 requirements)	<15% @ 0.5 µm (per ISO 21501-4 requirements)	Data Transfer	Via USB storage device, connection to TrakPro Lite Secure software through Ethernet or USB cable, optional TSI FMS software
Counting Efficiency	50% at 0.3 µm; 100% for particles >0.45 µm (per ISO 21501-4)	50% at 0.5 µm; 100% for particles >0.45 µm (per ISO 21501-4)	Languages	English, Japanese, German, French, Spanish, and Chinese (simplified), Italian
Concentration Limit	710,000 particles/ft3 (25,000,000/m ³) @ 10% coincidence loss		Software	Compatible with TrakPro Lite Secure and FMS 5 Software
Light Source	Long life laser diode		External Surface	Stainless steel
Zero Count	<1 count per 5 minutes (per ISO 21501-4 and JIS B9921)		Dimension(H x W x D)	24.1 cm x 23cm x 23.2 cm (without isokinetic inlet)
Flow Rate	1.77CFM (50 L/min) with ±5% accuracy (meets ISO21501-4 and JIS requirements)		Weight	6.44kg with 2 batteries
Flow Rate Control	Electronic, automatic closed loop (patented flow control technology*)		Power	110 to 240 VAC universal power supply
Sample Tube Extension	Up to 12 m		Vacuum Source	Internal pump
Calibration	NIST Traceable with TSI calibration system		Battery	Removeable / rechargeable Li-Ion (2 battery slots)
Calibration Frequency	Recommended minimum once per year		Battery Life	> 3 hours of continuous use
Sampling Modes	Manual, automatic, beep; cumulative/differential; count or concentration		Recharge Time	4 hours when idle
Sampling Time	1 second to 99 hours		Standards	ISO 21501-4, CE, JIS B9921
Sampling Frequency	1 to 9999 cycles or continuous		Warranty	Two years, extended warranties available
Exhaust	Internally HEPA filtered		Operating Range	2° to 35°C, 20% to 95% noncondensing
Communication Mode	Modbus® TCP over Ethernet or USB		Storage Range	0° to 50°C, up to 98% RH noncondensing
Alarm Status	Audible alarm built in >85 dB at 1m (adjustable)		Environmental Sensors	Supports TSI probes models 960, 962, 964, 966 and temp/RH probes
Alarm Limits	Programmable for all particle channels			
Status Indicators	Low battery, flow, laser		Unit ID	Configurable IP Address
Printer	Built in thermal printer (also available without printer)		Printer Output	Prints in all available languages
Display	VGA 14.5cm touch screen display		Reports	Pass/Fail on ISO 14644-1, EU GMP reports and FS209E
Included Accessories	Printed QuickStart guide, manual on CD, power supply, battery, barbed inlet, isokinetic probe, tripod, tubing, purge filter, printer paper, USB cable and TrakPro Lite Secure		Optional Accessories	Electronic filter scanning probe, basic filter scanning probe, TSI velocity probes, temp/TH probe, spare battery, dual port external battery charger, isokinetic probes, sample tubing, and carrying case

*Patent Number 6,167,107 / AeroTrak, TSI, and the TSI logo are registered trademarks, and TrakPro is a trademark of TSI Incorporated. / Modbus is a registered trademark of Modicon, Inc

Specifications are subject to change without notice.

Please see website for more details or email monitoring@validair.com for a quotation.



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