



Features and Benefits

- AERO TRAK 9310: 0.3 - 20 µm
- AERO TRAK 9510: 0.5 - 20 µm
- 1 CFM (28.3 LPM) flow rate
- Up to 6 channels of simultaneous data
- USB and Ethernet (TCP/IP) output
- 10,000 sample record storage
- On screen report viewing (ISO-14644-1, FS-209E, and EU GMP)
- 250 alphanumeric location labels
- 5.7-inch color touch screen
- Easily configurable with Microsoft® Windows® CE interface
- Built-in thermal printer
- Removable Li-ion battery
- Internal audible alarm
- Stainless steel enclosure
- Stand-alone or integrate into a facility monitoring system

AERO TRAK™ Portable Particle Counter Models 9310 & 9510

The TSI AERO TRAK 9310 and 9510 Portable Particle Counters offer the most features and flexibility for customers interested in manually monitoring particle contamination at high flow rates. These particle counters can be used as stand-alone portable counters or can be integrated into a facility monitoring system. Both models offer a compact light weight ergonomic design for ease of use. The 5.7-inch high-contrast color touch screen interface makes these instruments easy to operate and facilitates viewing data from a greater distance. These particle counters can also store up to 10,000 sample records which can be conveniently downloaded using USB, Ethernet (TCP/IP) port or printed directly via its built-in printer.

The instrument reports up to 6 particle sizes simultaneously and includes an internal alarm.

Backed with a standard 2 year warranty and TSI commitment for superior service and support, there is no other portable particle counter on the market today with such features and benefits.



Specifications

Models 9310 & 9510

AERO^{TRAK} Portable Particle Counter

Features	9310	9510
Size Range	0.3 - 20 µm	0.5 - 20 µm
Channel Sizes	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm Additional channel sizes available	0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm Additional channel sizes available
Counting Efficiency	50% at 0.3 µm; 100% for particles > 0.45 µm (per JIS)	50% at 0.5 µm; 100% for particles > 0.75 µm (per JIS)
Concentration Limits	400,000 particles/ft ³ at 5% coincidence loss	
Light Source	Laser diode	
Zero Count Level	<1 count / 5 minutes Meets JIS B9921	
Flow Rate	1 CFM (28.3 LPM) with ± 5% accuracy	
Calibration	NIST traceable	
Sampling Modes	Manual, automatic, beep; cumulative/differential count or concentraion	
Sampling Time	1 second to 99 hours	
Sampling Frequency	1 to 9999 cycles or continuous	
Sample Output	Internal HEPA filter	
Vacuum Source	Internal pump with patented* flow control technology	
Communication Mode	USB and Ethernet (TCP/IP) output	
Data Storage	10,000 sample records	
Alarm/Status	Audible alarm on counts; low battery, and sensor status indicators	
Display	QVGA 5.7-inch touch screen display with Microsoft® Windows® CE	
Printer	Built-in thermal printer (also available without printer)	
Reports	On screen viewable and printable ISO-14644-1, FS-209E, and EC GMP reports	
External Surface	Stainless steel	
Power	110 to 240 VAC 50-60 Hz Universal internal power supply	
Battery	Removable/rechargeable Li-Ion	
Battery Life	Up to 4 hours continuous use	
Recharge Time	3.5 hours (internal or external)	
Dimensions (L x W x H)	10 in. x 7 in. x 9.5 in. (25.6 cm x 17.6 cm x 26.1 cm)	
Weight	12.8 lbs (5.8 kg) with battery, 11.8 lbs (5.4 kg) without battery	
Standards	CE, JISB9921	
Warranty	2 years. Extended warranties available	
Operating Conditions	41° to 95°F (5° to 35°C) 20% to 95% non-condensing	
Storage Conditions	32° to 122°F (0° to 50°C) Up to 98% non-condensing	
Included Accessories	Operating manual on CD, power cord, battery, stainless steel isokinetic probe, tripod, 10 feet (3m) tubing, purge filter, printer paper, USB cable and TRAK ^{PRO} Lite data download software	
Optional Accessories	Spare battery, dual port external battery charger, isokinetic inlets, sample tubing and carrying case	

*Patent Number 6,167,107

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