



® Knowledge Beyond Measure.

# AeroTrak® Handheld Particle Counter

Model 9303



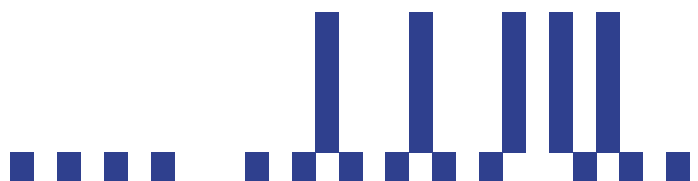
**The TSI® AeroTrak® 9303 Handheld Particle Counter offers the most features and flexibility for customers interested in a low cost and versatile handheld particle counter.**

The Model 9303 features a sturdy yet lightweight high-impact injection-molded plastic design for easy handling. The instrument is easy to configure using an intuitive keypad. The internal memory can store up to 1,500 sample records of particle count data which can be conveniently viewed on screen or downloaded to TSI's TrakPro™ Lite Secure Software. The instrument reports up to three particle sizes simultaneously. The middle channel is user selectable for either 0.5, 1.0, 2.0, or 2.5  $\mu\text{m}$ .

The Model 9303 complies with all the stringent requirements set forth in ISO 21501-4. It is calibrated with NIST traceable PSL spheres using TSI's world-class Classifier and Condensation Particle Counters, the recognized standard for particle measurements. Backed with TSI's long-standing reputation for high quality, the Model 9303 sets the standard for basic particle counters in the market today.

## Features and Benefits

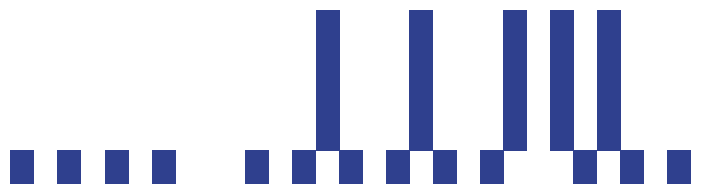
- AeroTrak® 9303: 0.3 to 25  $\mu\text{m}$
- 0.1 CFM (2.83 L/min) flow rate
- Up to three channels of simultaneous data
- ISO 21501-4 compliant
- USB serial output
- Compatible with TrakPro™ Lite Secure
- 1,500 sample record storage
- 250 location labels
- Large 3.2-inch (8.1-cm) display
- On screen data review
- User selectable middle size channel
- Removable Li-ion battery
- Intuitive keypad menus
- High impact injection molded plastic
- Lightweight - only weighs 1.3 lbs (0.58 kg)



## Specifications

# AeroTrak® Handheld Particle Counter Model 9303

Size Range	0.3 to 25 µm	Battery	Removable/rechargeable Li-Ion
Particle Channel Sizes	0.3 µm and 5.0 µm fixed; 0.5, 1.0, 2.0, or 2.5 µm selectable middle channel	Battery Life	Up to 4.5 hours of continuous use
Size Resolution	<15% @ 0.5 (per ISO 21501-4 requirements)	Recharge Time	<3 hours
Counting Efficiency	50% at 0.3 µm; 100% for particles >0.45 µm (per ISO 21501-4 and JIS)	Dimensions (L x W x D)	9.1 in. x 4.4 in. x 2.5 in. (23 cm x 11.2 cm x 6.4 cm), (without isokinetic inlet)
Concentration Limits	3,400,000 particles/ft <sup>3</sup> (120,000,000/m <sup>3</sup> ) @ 10% coincidence loss	Weight	1.3 lbs (0.58 kg) with battery
Light Source	Long life laser diode	Standards	ISO 21501-4, CE, JIS B9921
Zero Count Level	<1 count /5 minutes (per ISO 21501-4 and JIS B9921)	Warranty	One-year, extended warranties available
Flow Rate	0.1 CFM (2.83 L/min)	Operating Conditions	41° to 95°F (5° to 35°C) 20% to 95% noncondensing
Calibration	NIST traceable with TSI® calibration system	Storage Conditions	32° to 122°F (0° to 50°C) Up to 98% noncondensing
Sampling Modes	Manual and automatic	Included Accessories	Operating manual on CD, power supply, battery, isokinetic inlet, purge filter, USB cable and TrakPro™ Lite Secure Software
Sampling Time	1 second to 99 minutes 59 seconds	Optional Accessories	Spare battery, isokinetic probe, sample tubing and carrying case
Sampling Frequency	1 to 999 cycles or continuous		
Exhaust	Internally HEPA filtered		
Vacuum Source	Internal pump		
Communication Mode	USB serial output		
Data Storage	1,500 sample records		
Status Indicators	Low battery and service		
Display	3.2-inch (8.1-cm) 160 x 160 monochrome LCD		
External Surface	High impact injection molded plastic		
Power	110 to 240 VAC, 50 to 60 Hz universal in-line power supply with country specific plugs		



Specifications are subject to change without notice.

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