

# 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  $\mu\text{m}$ .

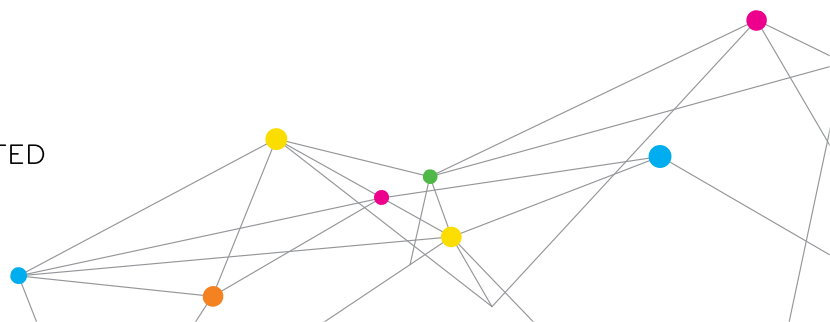
The Model 9303 complies with all the stringent requirements set forth in ISO 21501-4. It is calibrated with NIST traceable PSL spheres using TSI's world-class Classifier and Condensation Particle Counters, the recognized standard for particle measurements. Backed with TSI's long-standing reputation for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



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## SPECIFICATIONS

### AEROTRAK HANDHELD PARTICLE COUNTER MODEL 9303

<b>9303</b>		<b>Status Indicators</b>	Low battery, and service
<b>Size Range</b>	0.3 to 25 µm	<b>Display</b>	3.2-inch (8.1-cm) 160 x 160 monochrome LCD
<b>Particle Channel Sizes</b>	0.3 µm and 5.0 µm fixed; 0.5, 1.0, 2.0, or 2.5 µm selectable middle channel	<b>External Surface</b>	High impact injection molded plastic
<b>Size Resolution</b>	<15% @ 0.5 (per ISO 21501-4 requirements)	<b>Power</b>	110 to 240 VAC, 50 to 60 Hz universal in-line power supply with country specific plugs
<b>Counting Efficiency</b>	50% at 0.3 µm; 100% for particles >0.45 µm (per ISO 21501-4 and JIS)	<b>Battery</b>	Removable/rechargeable Li-Ion
<b>Concentration Limits</b>	3,400,000 particles/ft <sup>3</sup> (120,000,000/m <sup>3</sup> ) @ 10% coincidence loss	<b>Battery Life</b>	Up to 4.5 hours of continuous use
<b>Light Source</b>	Long life laser diode	<b>Recharge Time</b>	<3 hours
<b>Zero Count Level</b>	<1 count /5 minutes (per ISO 21501-4 and JIS B9921)	<b>Dimensions (L x W x D)</b>	9.1 in. x 4.4 in. x 2.5 in. (23 cm x 11.2 cm x 6.4 cm), (without isokinetic inlet)
<b>Flow Rate</b>	0.1 CFM (2.83 L/min)	<b>Weight</b>	1.3 lbs (0.58 kg) with battery
<b>Calibration</b>	NIST traceable with TSI calibration system	<b>Standards</b>	ISO 21501-4, CE, JISB9921
<b>Sampling Modes</b>	Manual and automatic	<b>Warranty</b>	One-year, extended warranties available
<b>Sampling Time</b>	1 second to 99 minutes 59 seconds	<b>Operating Conditions</b>	41° to 95°F (5° to 35°C) 20% to 95% noncondensing
<b>Sampling Frequency</b>	1 to 999 cycles or continuous	<b>Storage Conditions</b>	32° to 122°F (0° to 50°C) Up to 98% noncondensing
<b>Exhaust</b>	Internally HEPA filtered	<b>Included Accessories</b>	Operating manual on CD, power supply, battery, isokinetic inlet, purge filter, USB cable and TrakPro™ Lite Secure software
<b>Vacuum Source</b>	Internal pump	<b>Optional Accessories</b>	Spare battery, isokinetic probe, sample tubing and carrying case
<b>Communication Mode</b>	USB serial output		
<b>Data Storage</b>	1,500 sample records		

Specifications are subject to change without notice.

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