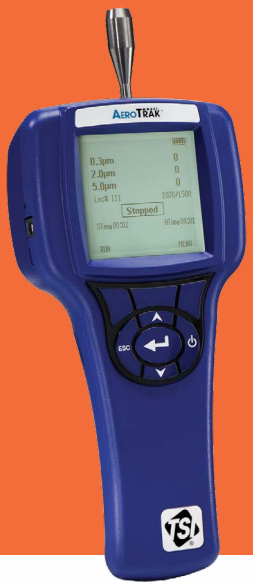
Knowledge Beyond Measure.

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 µm.

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 µm
- 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

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Size Range	0.3 to 25 µm
Particle Channel Sizes	0.3 µm and 5.0 µm fixed; 0.5, 1.0, 2.0, or 2.5 µm selectable middle channel
Size Resolution	<15% @ 0.5 (per ISO 21501-4 requirements)
Counting Efficiency	50% at 0.3 µm; 100% for particles >0.45 µm (per ISO 21501-4 and JIS)
Concentration Limits	3,400,000 particles/ft^3 (120,000,000/m^3) @ 10% coincidence loss
Light Source	Long life laser diode
Zero Count Level	<1 count /5 minutes (per ISO 21501-4 and JIS B9921)
Flow Rate	0.1 CFM (2.83 L/min)
Calibration	NIST traceable with TSI® calibration system
Sampling Modes	Manual and automatic
Sampling Time	1 second to 99 minutes 59 seconds
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
Battery	Removable/rechargeable Li-Ion
Battery Life	Up to 4.5 hours of continuous use
Recharge Time	<3 hours
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)
Weight	1.3 lbs (0.58 kg) with battery
Standards	ISO 21501-4, CE, JIS B9921
Warranty	One-year, extended warranties available
Operating Conditions	41° to 95°F (5° to 35°C) 20% to 95% noncondensing
Storage Conditions	32° to 122°F (0° to 50°C) Up to 98% noncondensing
Included Accessories	Operating manual on CD, power supply, battery, isokinetic inlet, purge filter, USB cable and TrakPro™ Lite Secure Software
Optional Accessories	Spare battery, isokinetic probe, sample tubing and carrying case

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