

CONTAMINATION CONTROL



Features and Benefits

- AEROtrak 9303: 0.3 - 10 μm
- 0.1 CFM (2.83 LPM) flow rate
- Up to 3 channels of simultaneous data
- ISO 21501 compliant
- USB serial output
- 1,500 sample record storage
- 999 location labels
- Large 3.6-inch display
- On screen data review
- User selectable middle size channel
- Removable Li-ion battery
- Internal audible alarm
- Intuitive keypad menus
- High impact injection molded plastic
- Lightweight - only weighs 1.3 lbs (0.58 kg)

Handheld Particle Counter

AEROtrak™ Handheld Particle Counter Model 9303

The TSI AEROtrak 9303 Handheld Particle Counter offers the most features and flexibility for customers interested in low cost and versatile handheld particle contamination monitoring. The 9303 features a sturdy and 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 using a USB port.

The instrument reports up to 3 particle sizes simultaneously and comes with an internal alarm. The middle channel is user selectable for either 0.5, 1.0, 2.0, or 2.5 μm .

Backed with a standard 1 year warranty and TSI commitment for superior service and support, there is no other handheld particle counter on the market today with such features and benefits.



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Specifications

Model 9303

AEROtrak Handheld Particle Counter

Features	9303
Size Range	0.3 -10 µm
Channel Sizes	0.3 µm and 5.0 µm fixed; 0.5, 1.0, 2.0, or 2.5 µm selectable middle channel Additional channel sizes available
Counting Efficiency	50% at 0.3 µm; 100% for particles > 0.45 µm (per JIS)
Concentration Limits	2,000,000 particles / ft ³ at 5% coincidence loss
Light Source	Laser diode
Zero Count Level	<1 count / 5 minutes (<2 particles / ft ³) Meets JIS B9921
Flow Rate	0.1 CFM (2.83 LPM)
Calibration	NIST traceable
Sample Probe/Tubing	Isokinetic sampling probe
Sampling Modes	Manual, automatic, cumulative/differential
Sampling Time	1 second to 99 minutes 59 seconds
Sampling Frequency	1 to 999 cycles or continuous
Sample Output	Internal HEPA filter
Vacuum Source	Internal dual diaphragm pump
Communication Mode	USB serial output
Data Storage	1,500 sample records
Alarm	Audible alarm on counts, low battery, and sensor failure
Display	3.6-inch 160 x 160 monochrome LCD
External Surface	High impact injection molded plastic
Power	110 to 240 VAC 50-60 Hz Universal in-line power supply with country specific plugs
Battery	Removable/rechargeable Li-Ion
Battery Life	Up to 3 hours of continuous use
Recharge Time	< 3 hours
Dimensions (L x W x H)	9.1 in. x 6.3 in. x 2.4 in. (23 cm x 11 cm x 6.2 cm) (without isokinetic inlet)
Weight	1.3 lbs (0.58 kg) with battery
Warranty	1 Year. 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 supply, battery, isokinetic inlet, purge filter, USB cable and TrakPro Lite data download software
Optional Accessories	Spare battery, isokinetic probe, sample tubing and carrying case

Specifications are subject to change without notice.

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Contact your local TSI Distributor or visit our website www.tsi.com for more detailed specifications.