

CONTAMINATION CONTROL

## Handheld Particle Counter



### Features and Benefits

- AERO<sup>TRAK</sup> 9306: 0.3 - 20 µm
- 0.1 CFM (2.83 LPM) flow rate
- Up to 6 channels of simultaneous data
- ISO 21501-4 compliant
- USB output
- 10,000 sample record storage
- On screen report viewing (ISO-14644-1, FS-209E, and EC GMP)
- 250 alphanumeric location labels
- 3.7-inch color touch screen
- Easily configurable with Microsoft® Windows® CE interface
- Removable Li-ion battery
- Internal audible alarm
- Optional Temp/RH sensor
- High impact injection molded plastic
- Ergonomic and lightweight design

### AERO<sup>TRAK</sup>™ Handheld Particle Counter Model 9306

The TSI AERO<sup>TRAK</sup> 9306 Handheld Particle Counter offers the most features and flexibility for customers interested in low cost and versatile handheld particle contamination monitoring. The 9306 features a sturdy and yet lightweight high impact injection molded plastic design for easy handling. The 3.7-inch color touch screen interface makes this instrument easy to configure and operate. The internal memory can store up to 10,000 sample records of particle count data which can be conveniently viewed on screen, downloaded using a USB port or printed directly via an optional external printer.

The instrument reports up to 6 particle sizes simultaneously along with the environmental data. The 9306 also includes an internal alarm.

Backed with a standard 2 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 9306

## AEROtrak Handheld Particle Counter

Features	9306
Size Range	0.3 - 20 µm
Channel Sizes	Standard: 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 µm Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm Standard: 0.3 to 10 µm, user-selectable; factory-calibrated at 0.3, 0.5, 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)
Concentration Limits	2,000,000 particles / ft <sup>3</sup> at 5% coincidence loss
Light Source	Laser diode
Zero Count Level	<1 count / 5 minutes Meets JIS B9921
Flow Rate	0.1 CFM (2.83 LPM) with ± 5% accuracy
Calibration	NIST traceable
Sample Probe/Tubing	Isokinetic sampling probe
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 (>99.997% at 0.3 µm)
Vacuum Source	Internal pump with patented* flow control technology
Communication Mode	USB output
Data Storage	10,000 sample records
Alarm/Status	Audible alarm on counts; low battery and sensor status indicators
Environmental Sensors	Optional Temp/RH probe 32° to 113°F (0° to 45°C) ±1°F (0.5°C), 10-90% ±5% RH
Display	QVGA 3.7-inch touch screen with Microsoft® Windows® CE
Reports	FS-209E, ISO-14644-1 and EC GMP
External Surface	High impact injection molded plastic
Power	110 to 240 VAC 50-60 Hz Universal in-line power supply
Battery	Removable/rechargeable Li-Ion
Battery Life	Up to 6 hours of continuous use
Recharge Time	< 3 hours
Dimensions (L x W x H)	10 in. x 4.5 in. x 3 in. (25.4 cm x 11.4 cm x 7.6 cm)
Weight	2.2 lb (1.0 kg) with battery
Standards	CE, JISB9921, ISO 21501-4
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) 0°C to 50°C, Up to 98% non-condensing
Included Accessories	Operating manual on CD, power cord/supply, battery, isokinetic inlet, purge filter, stylus, USB cable and TrakPro Lite download software
Optional Accessories	Spare battery, external battery charger, isokinetic probe, sample tubing, Temp/RH probe, printer, printer paper and carrying case

\*Patent Number 6,167,107  
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