



Features and Benefits

- AERO TRAK 9306: 0.3 - 10 μm
- 0.1 CFM (2.83 LPM) flow rate
- Up to 6 channels of simultaneous data
- ISO 21501 compliant
- USB output
- 10,000 sample record storage
- On screen report viewing (ISO-14644-1, FS-209E, and EU 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 TRAK™ Handheld Particle Counter Model 9306

The TSI AERO TRAK 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.



Specifications

Model 9306

AEROTRAK Handheld Particle Counter

Features	9306
Size Range	0.3 - 10 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 Optional: 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 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) with ± 5% accuracy
Calibration	NIST traceable
Sample Probe/Tubing	Isokinetic sampling probe
Sampling Modes	Manual, automatic, beep, concentration, and cumulative/differential
Sampling Time	1 second to 99 minutes 59 seconds
Sampling Frequency	1 to 999 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 serial output
Data Storage	10,000 sample records
Alarm	Audible alarm on counts, low battery, and sensor failure
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	ISO-209E, FS-14644-1 and EU 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 3 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
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

Industrie Automation Graz, Autaler Straße 55, 8074 Raaba, +43 (316) 405105, +43 (316) 405105 22, office@iaq.co.at, www.iaq.co.at

TSI Incorporated - 500 Cardigan Road, Shoreview, MN 55126-3996 USA

USA	Tel: +1 800 874 2811	E-mail: info@tsi.com	Website: www.tsi.com
UK	Tel: +44 149 4 459200	E-mail: tsiuk@tsi.com	Website: www.tsiinc.co.uk
France	Tel: +33 491 95 21 90	E-mail: tsifrance@tsi.com	Website: www.tsiinc.fr
Germany	Tel: +49 241 523030	E-mail: tsigmbh@tsi.com	Website: www.tsiinc.de
India	Tel: +91 80 41132470	E-mail: tsi-india@tsi.com	
China	Tel: +86 10 8260 1595	E-mail: tsibeijing@tsi.com	



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