

AEROTRAK® HANDHELD PARTICLE COUNTER MODEL 9303

CONFIDENCE COMES WITH
A HIGHER CALIBER OF DATA

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 using a USB port. 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 .



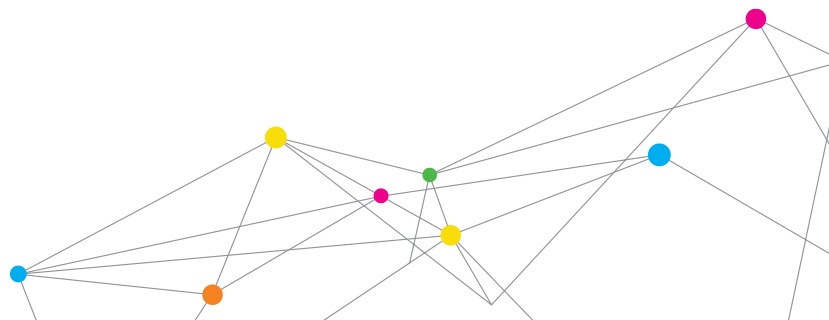
The Model 9303 complies with all the stringent requirements set forth in ISO 21501-4. It is calibrated with NIST traceable PSL spheres using TSI's world-class Classifier and Condensation Particle Counters, the recognized standard for particle measurements. Backed with TSI's long-standing reputation for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



UNDERSTANDING, ACCELERATED



SPECIFICATIONS

AEROTRAK HANDHELD PARTICLE COUNTER MODEL 9303

| 9303 | |
|------------------------|---|
| 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 | 2,000,000 particles/ft ³ at 5% 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 filtered |
| Vacuum Source | Internal pump |
| Communication Mode | USB serial output |
| Data Storage | 1,500 sample records |

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|------------------------|---|
| 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, JISB9921 |
| 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 software |
| Optional Accessories | Spare battery, isokinetic probe, sample tubing and carrying case, TrakPro™ Lite Secure |

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