Portable Particle Counter
Model 3910 and 3905

Featherlight Smallest 6-channel, Portable Airbourne Particle Counter

The new 3910 & 3905 are the smallest 6-channel portable particle counters in the industry; with a 50 LPM and 1 CFM flow rate respectively and a 0.3 micron sensitivity. Both units feature a large color touch screen, streamlined, user-friendly interface and pre-programmed standards mode to guide you through the measuring and certification process it may also be the most helpful. An optional Climomaster environmental sensor provides the ability to measure air velocity, temperature and humidity making these instruments the ultimate tools for cleanroom certification.

Applications

- **Cleanroom Certification**
- **Critical Environment Monitoring**
- **HEPA Filter Performance Testing**

Features & Benefits

- The unit is featherlight and the smallest in the industry.

- 28.3 lpm (1.0 cfm) or 50 lpm (1.77 cfm) flow rate speeds the sampling process.

- Simultaneously measures and displays up to 6 particle sizes from 0.3 to 10 microns.

- Fully compliant with ISO 21501-4 calibration standard.

- Enables you to certify cleanrooms up to ISO Class 2.

- 21 CFR Part 11 compliant with IQ/OQ documentation available

- Multi-standard mode simplifies cleanroom ceritifcations based on ISO 14644, FS 209E, BS 5295 and EC GMP.

- Large, color touchscreen with an easy to navigate, user-friendly interface

- Built-in printer and onboard datalogging (up to 10,000 records).

- Stainless, cleanroom-friendly enclosure.

- Optional Climomaster™ environmental probe adds the ability to measure airflow, temperature, and humidity.

- Differential pressure sensor available as an option

- An optional 2nd Li-ion battery can be installed in the unit to extend the operating time.

- Extended 2 year warranty.

Climomaster™ probe for environmental measurements

Specifications

Model	3910	3905
Light Source	Laser diode	
Particle Channel Sizes	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 micron meters	
Counting Efficiency	50%±20% at 0.3 micron meters, 100%±10% at 0.5 micron meters	
Flow Rate	50 LPM (1.77 CFM)	28.3 LPM (1.0 CFM)
Concentration Limit	More than 500,000 particles/ft^3 at 10% coincidence loss	
Zero Count Level	Less than 1 count per 5 minutes	
Environmental Sensor	Air velocity, temperature, relative humidity, and pressure	
Vacuum Source	Internal pump	
Exhaust	Internal HEPA filtered to more than 99.97% at 0.3 micron meters	
Printer	Built-in thermal printer	
Display	6.4 inch, color touch screen	
Enclosure	Stainless Steel	
Interface	Ethernet, USB, Memory card slot (MMC)	
Data Storage	Up to 10,000 sample records	
Security	Password authentication and management, secure data, and audit trails (meets 21 CFR Part 11 compliance)	
Reports	ISO 14644-1, EU GMP, FS209E, and New Chinese GMP	
Standards	ISO 21501-4, JIS B9921, CE	
Power Supply	Li-ion battery or AC adapter (100 to 240V)	
Battery	Removable/rechargeable Li-ion batteries (2 battery slots)	
Operating Range	50 to 104°F (10 to 40°C), 20 to 85%RH with no visible condensation	
Storage Range	14 to 122°F (-10 to 50°C), up to 98%RH with no visible condensation	
Dimensions (H x W x D)	7.9 x 8.1 x 7.9 inches (200 x 205 x 200 mm) without handle	
Weight	14.2 lbs (6.4 kg) with two batteries	
Warranty	2 years	
Included Accessories	Quick-start guide, operation manual, zero filter, 1 x Li-ion battery, AC adapter, sampling tubing data storage card, isokinetic probe, data processing software, printer paper, NIST Certificate	
Optional Accessories	Carrying case, spare li-ion battery, tripod, external battery charger, Climomaster™ probe (air velocity, temperature, relative humidity), pressure sensor, alarm output cable, IQ/OQ validation document	

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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