



New 50LPM Portable Particle Counter

Portable Particle Counter Model 3910

Featherlight Smallest 6-channel, Portable Airborne Particle Counter

The new 3910 is the smallest 6-channel portable particle counter in the industry; it provides 50 LPM flow rate with a 0.3 micron sensitivity. With its 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 the 3910 the ultimate tool 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.
- 50 L/min (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 certifications 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.



Small Size and Lightweight Unit



Climomaster™ probe for environmental measurements

Specifications

Model	3910
Light Source	Laser diode
Particle Channel Sizes	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 micron meters
Counting Efficiency	50% at 0.3 micron meters per ISO21501-4
Flow Rate	50 LPM (1.77 CFM)
Concentration Limit	More than 500,000 counts/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
Reports	ISO 14644-1, EU GMP, FS209E, and New Chinese GMP
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	12.1 lbs (5.5 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, filter scan probe, external battery charger, Climomaster™ probe (air velocity, temperature, relative humidity) pressure sensor, alarm output cable

Specifications are subject to change without notice.



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