



**KANOMAX**  
The Ultimate Measurements

# 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.



Model 3910      Model 3900  
**Small Size and Lightweight Unit**



**Climomaster™ probe for environmental measurements**

Specifications	
<b>Model</b>	3910
<b>Light Source</b>	Laser diode
<b>Particle Channel Sizes</b>	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 micron meters
<b>Counting Efficiency</b>	50% at 0.3 micron meters per ISO21501-4
<b>Flow Rate</b>	50 LPM (1.77 CFM)
<b>Concentration Limit</b>	More than 500,000 counts/ft <sup>3</sup> at 10% coincidence loss
<b>Zero Count Level</b>	Less than 1 count per 5 minutes
<b>Environmental Sensor</b>	Air velocity, temperature, relative humidity, and pressure
<b>Vacuum Source</b>	Internal pump
<b>Exhaust</b>	Internal HEPA filtered to more than 99.97% at 0.3 micron meters
<b>Printer</b>	Built-in thermal printer
<b>Display</b>	6.4 inch, color touch screen
<b>Enclosure</b>	Stainless Steel
<b>Interface</b>	Ethernet, USB, Memory card slot (MMC)
<b>Data Storage</b>	Up to 10,000 sample records
<b>Security</b>	Password authentication and management, secure data, and audit trails
<b>Reports</b>	ISO 14644-1, EU GMP, FS209E, and New Chinese GMP
<b>Power Supply</b>	Li-ion battery or AC adapter (100 to 240V)
<b>Battery</b>	Removable/rechargeable Li-ion batteries (2 battery slots)
<b>Operating Range</b>	50 to 104 °F (10 to 40 °C), 20 to 85%RH with no visible condensation
<b>Storage Range</b>	14 to 122 °F (-10 to 50 °C), up to 98%RH with no visible condensation
<b>Dimensions (H x W x D)</b>	7.9 x 8.1 x 7.9 inches (200 x 205 x 200 mm) without handle
<b>Weight</b>	12.1 lbs (5.5 kg) with two batteries
<b>Warranty</b>	2 years
<b>Included Accessories</b>	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
<b>Optional Accessories</b>	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.