



**KANOMAX**  
The Ultimate Measurements

# Portable Particle Counter

MODEL 3905 / 3910 / 3920

Compliant with ISO21501-4

## One of smallest in the industry

Since it is only 5.5 kg, it can be easily carried anywhere. Small size, you can measure anywhere you choose.

## Easy operation with touch panel

A large 6.4-inch touch panel LCD makes it easy to check and operate.

## Extensive option connection

By using the Climomaster anemometer probe(6531-2G), you can simultaneously measure the air velocity, temperature, and humidity of clean air.

### Applications

- Contamination Control For Clean Room
- Critical Environment Monitoring
- HEPA Filter Performance Testing



MODEL 3905 | Flow Rate 28.3 L/min

MODEL 3910 | Flow Rate 50 L/min

MODEL 3920 | Flow Rate 100 L/min

## Feature & Benefits

- 28.3lpm, 50lpm or 100lpm flow rate speeds the sampling process.
- Simultaneously measures and displays up to 6 particle sizes (from 0.3 to 10 microns for model 3905 & 3910) and (from 0.5 to 10 microns for 3920).
- Fully compliant with ISO 21501-4 calibration standard.
- Enables you to certify cleanroom up to ISO Class 2.
- 21 CFR Part 11 compliant with IQ/OQ documentation available.
- Multi-standard mode simplifies cleanroom certifications based on ISO 14644-1, GB/T16292-2010, FEDERAL STADARD, BRITISH STANDARD, EU GMP.
- Build-in printer and onboard datalogging (up to 10,000records).
- Differential pressure sensor available as an option.
- Extended 2 year warranty.



## Specification

Model	3905	3910	3920
Light Source	Laser diode		
Particle Channel Size	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 $\mu\text{m}$		0.5, 0.7, 1.0, 3.0, 5.0, 10.0 $\mu\text{m}$
Flow Rate	28.3 LPM (1.0 CFM)	50 LPM (1.77CFM)	100 LPM (3.53 CFM)
Counting Efficiency	50 $\pm$ 20% at 0.3 $\mu\text{m}$		50 $\pm$ 20% at 0.5 $\mu\text{m}$
Concentration Limit	500,000 particles/ft <sup>3</sup> at 10% coincidence loss		300,000 particles/ft <sup>3</sup> at 10% coincidence loss
Sampling Time	6sec ~ 23hours 59min 59sec (configurable)		
Interval Time	6sec ~ 23hours 59min 59sec (configurable)		
Zero Count Level	Less than 1 count per 5 minutes		
Printer	Built-in thermal printer		
Display	6.4 inch, color touch screen		
Enclosure	Stainless Steel		
Interface	Ethernet, USB		
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	ISO146441-1, GB/T16292-2010, FEDERAL STANDARD, BRITISH STANDARD, EU 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)	200 x 205 x 200mm without handle		350 x 210 x 210mm without handle
Weight	4.5kg without battery		5.0kg without battery
Warranty	2 years		
Including Accessories	Quick-start guide, operation manual, zero filter, Li-ion battery (1pcs), AC adapter, sampling tubing, USB memory, isokinetic probe, data processing software, printer paper (2pcs), NIST Certificate		
Optimal Accessories	Carrying case, Li-ion battery, Climomaster™ probe 6531-2G (air velocity, temperature, relative humidity) Differential pressure sensor, alarm output cable, IQ/validation document		



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