

KANOMAX MODEL 3905 / 3910 / 3920



Compliant with ISO2 1501-4



Flow rates: Model 3905 – 28.3 l/min | Model 3910 – 50 l/min | Model 3920 – 100 l/min

Portable Particle Counter Kanomax Model 3905 / 3910 / 3920

// 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 cleanrooms
- // Critical environment monitoring
- // HEPA filter performance testing

| Feature & Benefits |
|---|
| // 28.3 l/min, 50 l/min or 100 l/min 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 10,000 records) |
| // Differential pressure sensor available as an option |
| // Extended 2 year warranty |



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Specification

| Model | 3905 | 3910 | 3920 |
|---|--|----------------------------------|----------------------------------|
| Light Source | Laser diode | | |
| Particle Channel Size | 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm | 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm | 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm |
| Flow Rate | 28.3 LPM (1.0 CFM) | 50 LPM (1.077 CFM) | 100 LPM (3.53 CFM) |
| Counting Efficiency | 50 ± 20% at 0.3 µm | 50 ± 20% at 0.3 µm | 50 ± 20% at 0.5 µm |
| Concentration Limit (at 10% coincidence loss) | 500,000 particles/ft³ | 500,000 particles/ft³ | 300,000 particles/ft³ |
| Sampling Time | 6 sec ~ 23 hours 59 min 59 sec (configurable) | | |
| Interval Time | 6 sec ~ 23 hours 59 min 59 sec (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 | ISO14644-1, 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 240 V) | | |
| 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) without handle | 200 x 205 x 200 mm | 200 x 205 x 200 mm | 350 x 210 x 210 mm |
| Weight (without battery) | 4.5 kg | 4.5 kg | 5 kg |
| Warranty | 2 years | | |
| Including Accessories | Quick-start guide, operation manual, zero filter, Li-ion battery (1 pcs), AC adapter, sampling tubing, USB memory, isokinetic probe, data processing software, printer paper (2 pcs), NIST Certificate | | |
| Optional Accessories | Carrying case, Li-ion battery, Climomaster™ probe 6531-2G (air velocity, temperature, relative humidity), differential pressure sensor, alarm output cable, IQ/validation document | | |

