

CI-x5x Series Portable Airborne Particle Counters 4-Channels When Accuracy Matters!™



High Accuracy
High Reliability
HEPA Filtered Exhaust
Internal Data Storage
Audible Alarm: Built-in,
Adjustable & Programmable
Touchscreen Display
Internal Thermal Printer
Internal Battery Charger
Smallest Footprint
Clone Settings Unit-to-Unit
Connects to existing network
infrastructure and LIMS
Software.

ISO 21501-4
ISO 14644-1
EU GMP, Annex 1
FS-209E
JIS 9921
21 CFR Part 11



Unsurpassed ease of use and reliability.

Seamless stainless steel enclosure and fully sealed screen simplifies cleaning and sanitation. Lightweight and the industry's smallest footprint allows the device to be easily transported.

Reliability, Accuracy & Support

The **CI-x50 Series** of particle counters are engineered and manufactured with only the highest quality materials. This ensures a long product life-cycle, and up to decades of reliable use. Moreover, we provide calibration support services for all our devices over their lifetime. We have built our reputation by providing highly accurate instruments that stand the test of time. Both internal and external audits confirm that units 10 years old or less that are returned for annual calibration have an "In Tolerance" rate of more than **99.5%**. Simply, Climet particle counters are designed, tested, and calibrated with very tight tolerances to exceed industry standards. Years of count efficiency testing has demonstrated that a properly calibrated Climet particle counter produces good count efficiency even after more than a decade of field operation!

Return On Investment

Not all particle counters are equal. The initial purchase price, cost of calibrations, cost of consumables, out of warranty repairs, and product life-cycle all factor into calculating the Return on Investment. Other intrinsic factors include assurance, reliability, accuracy, application support, and superior customer service. These make Climet the unsurpassed leader in the manufacture of particle counters for cleanroom monitoring, validation, and certification.

Custom Engineered Solutions

If you have a specific technical requirement, please contact us. We specialize in customizing our products to fit your needs.



Applications Include:

Cleanroom Monitoring & Validation
Medical Device Manufacturing
Pharmaceutical Manufacturing
Hospitals

Food & Beverage Processing
Aerospace Assembly
Pharmaceutical Compounding
Cosmetic Manufacturing



CI-x5x Series Specifications



| Configurations | CI-15x | CI-45x | CI-75x | CI-105x |
|---|--|---|--|--|
| USB ports can be disabled by the Admin or factory disabled upon request | Flow Rate: 1 CFM ± 5% Sizes: 0.3, 0.5, 1, 5 Battery(x1): 6 hrs continuous Coincidence: >35,300,000 m ³ (@ 10% coincidence) Max. False Count: 7.1 /m ³ 35.3 minutes to sample 1 m ³ CI-154 Ports: RS-232, USB, Ethernet CI-156 Ports: RS-232, USB, Wi-Fi | Flow Rate: 50 LPM ± 5% Sizes: 0.3, 0.5, 1, 5 Battery(x1): 5 hrs continuous Coincidence: >20,000,000 m ³ (@ 10% coincidence) Max. False Count: 4.0 /m ³ 20 minutes to sample 1 m ³ CI-454 Ports: RS-232, USB, Ethernet CI-156 Ports: RS-232, USB, Wi-Fi | Flow Rate: 75 LPM ± 5% Sizes: 0.3, 0.5, 1, 5 Battery (x1): 4 hrs continuous Coincidence: >13,300,000 m ³ (@ 10% coincidence) Max. False Count: 2.7 /m ³ 13.3 minutes to sample 1 m ³ CI-754 Ports: RS-232, USB, Ethernet CI-156 Ports: RS-232, USB, Wi-Fi | Flow Rate: 100 LPM ± 5% Sizes: 0.5, 1, 3, 5 Battery (x1): 3.5 hrs continuous Coincidence: >10,000,000 m ³ (@ 10% coincidence) Max. False Count: 2.0 /m ³ 10 minutes to sample 1 m ³ CI-1054 Ports: RS-232, USB, Ethernet CI-156 Ports: RS-232, USB, Wi-Fi |
| Performance | Sample Volume: Adjustable in cubic feet, cubic meters, or in liters. Flow Rate Control: Yes. Electronic, automatic closed loop. HEPA Filtered External Exhaust: Yes, all models and certified to ISO Class 3. Resolution: Exceeds requirements of ISO 21501-4 of 15% (4-10% typical) Count Efficiency: 50% Count Efficiency exceeds ISO 21501-4 of ±20% (<±10% typical) 100% Count Efficiency @ ±10% per ISO 21501-4 Optics: Rhodium plated nickel ellipsoidal mirror (resistant to contamination, corrosion, decomposition, and impact damage) Cleaning: Compatible with common cleaning and sterilization procedures. Enclosure and interior inert with VHP. | | | |
| Programming & Memory | Program: Up to 30 user-defined and named programs; containing IDs and settings Memory: 3000 samples: Date, Time, 4 Particle Channels, Flow, ID, Sample Volume Unit ID: User Selectable User ID: Up to 60 users, plus supervisor, with password security Security: Four security levels, with user authentication Location ID: Up to 100 per program; 16 characters. Cloning: All models Unit-to-Unit, and PC-to-Unit. Cloning via USB flash drive | | | |
| Included Accessories and Features | All models come with an internal thermal printer, internal battery charger, battery, stainless steel isokinetic probe, zero count filter, two rolls of paper, cloning cable, IQ/OQ Docs, manual, and external exhaust fitting on appropriate models. Flash drive. 2 meters of tubing for 100 LPM models and 3 meters of tubing for all others. | | | |
| Electrical | Single Battery with Recharge time: 3.5 - 4 hours (built-in charger included. An external charger sold separately.) Wall Power: Universal 100-240 VAC Input | | | |
| Dimensions | 8.65" (H) x 8.5" (W) x 9.5" (L) (21.97 cm x 21.6 cm x 24.1 cm) 11.0 lb. (4.99Kg) without battery; and 14.25 lb. (6.46 Kg) with battery | | | |
| Environmental | Operating temperature: 0-36°C, 32-97°F 0-90% relative humidity, non-condensing | | | |

- Light blocking isokinetic probes, probe stands, high pressure diffusers, carrying cases, software, validation documentation, and other accessories sold separately.
- Meets and exceeds ISO 21501-4:2018 calibration requirements. All Climet calibrations are compliant to ISO 17025.

We value the opportunity to work with you. For further technical information and questions, please contact us.

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