

Commitment to Quality



CLIMET[®]
INSTRUMENTS COMPANY

Celebrating Over 50 Years In Business!

Climet CI-90A, CI-95A & CI-99 Series **Microbial Air Samplers**



Innovations & Features...

Fully Compliant with all requirements & recommendations:

- ✓ **Autoclavable Sample Head** makes sanitation and disinfection easy.
- ✓ **Automatic Flow Control** and **Audible Flow Rate Alarm** mitigates expensive deviation reports and investigations.
- ✓ **HEPA filtered exhaust** required per ISO 14698-1, Section A.3.2.
- ✓ **Stainless steel enclosure** resists particle attached microbes, is static neutral, and is easy to clean and disinfect minimizing the risk of bio-contamination.
- ✓ **Biological and Physical Efficiency Tested** with excellent performance down to 1 μm per ISO 14698-1, Section A.3.4.2
- ✓ User replaceable batteries for **CI-90A** and **CI-95A**.
- ✓ **CI-95A** with flow rates of **1 CFM** or **25 LPM** for continuous monitoring applications, or **100 LPM** for general monitoring purposes.
- ✓ **CI-95A** supports industry standard 90 mm petri dishes, or 60 mm RODAC plates.
- ✓ Rugged, durable and built to last — all Climet products are **proudly manufactured in the United States of America**.





Physical and Biological Efficiency Validated

ISO 14698-1 Validated against the industry gold standard for Biological Efficiency up to 100%, with excellent sensitivity down to 1 μm .
Biological and Physical Efficiency test reports available upon request.

Meets All Biopharmaceutical Requirements

ISO 14698-1 Compliant with all requirements and recommendations.
Manufactured for biopharmaceutical applications. Minimizes the risk of bio-contamination, particle generation, and mitigates risk of deviation reports & investigations.

Cost of Poor Quality

Fewer deviation reports and investigations significantly improves Return on Investment (ROI), and reduces Cost of Poor Quality (CoPQ).
Best in class, **less than 1 percent** Out-of-Tolerance on interval calibrations!

Multi-Functional Features

Adapter heads and accessories available for remote sampling in Bio-Safety Cabinets and Isolators, as well as sampling of high pressure gases.

CI-90A, 95A & 99 Series Specifications

Custom Engineered Solutions: If you have a specific technical requirement , please contact us.

We specialize in customizing our products to fit your needs.

Configurations	CI-90A = 100 LPM microbial sampler CI-95A = 1CFM, 25LPM or 100 LPM microbial sampler CI-99 = 100 LPM microbial sampler with aluminum or 316L Stainless Steel Sample Head Sold Separately. * All models have 304 Stainless Steel Enclosure, RS-232 data interface, and HEPA filtered internal exhaust. Both sampling heads are autoclavable @ 134°C for 20 minutes.
Performance	Sample Head: Choice of Aluminum or Stainless Steel Sample time to measure a cubic meter : 10 minutes @ 100 LPM, 35.3 minutes @ 1 CFM, 40 minutes @ 25 LPM. Sample Control: CI-95=A continuous sample or variable duty cycle to cover extended monitoring. CI-99=A continuous sample or variable duty cycle to cover extended monitoring. Flow Rate Control: Electronic, automatic closed loop Cleaning: Compatible with common cleaning and sterilization procedures, including VHP. Flow Rate Alarm: Internal audible alarm, +/-10% of Flow Rate Data Interface: CI-90A and CI-95A: RS-232 for use with IDLoader Software CI-99=Diagnostic web page and control via Ethernet Modbus. IP-54 sealable RJ45 connector Display: 4x20 character LCD CI-99 LEDs: Power, Blower, Error (Flow Rate), Delay, Sampling, and Ethernet (Link & Activity) CI-90 = Internal Thermal Label Printer Sample Media = Industry standard 90 mm petri dish. CI-95A can sample with 90 mm or 55-65 mm RODAC plates.
Programming & Memory	Unit ID: User Selectable; 6 characters long User ID: Up to 10 users, 9 characters long. Location ID: Up to 100; 15 characters. Security: Prevents changes to settings, or stopping a sample in progress.
Included Accessories and Features	CI-90=Internal thermal label printer, two rolls of adhesive labels, internal battery charger, battery, stainless steel locking collar, sample head, IQ/OQ Procedures, IDLoader Software, and manual.
Electrical CI-90A and CI-95A	Battery: 9.6 VDC, 7.6 Amp Hours Battery Operation (typical): 7 hours @ 100 LPM, 16 hours @ 1 CFM, 19 hours @ 25 LPM with continuous sampling Battery Recharge time: 2.0 - 2.5 hours (built-in charger) Wall Power: Universal 100 - 240 VAC Input
Dimensions & Weight	CI-90A: 7.5"(H) x 8.1" (W) x 9.9" (L); weight with battery is 10.5 lbs. (4.76 Kg) with Aluminum Sample Head CI-95A: 7.5"(H) x 5.5" (W) x 9.9" (L); weight with battery is 8.25 lbs. (3.75 Kg) with Aluminum Sample Head CI-99: 5.9" (H) x 9.84" (W) x 7.87" (L); weight is 12.45 lbs. (5.6 Kg)
Environmental	Operating temperature: 0-36°C, 32-97°F 0-90% relative humidity, non-condensing

- High pressure diffusers & remote sample head, validation documentation, and other accessories sold separately.
- 25 LPM, 1 CFM, and RODAC all have aluminum sample heads. For Stainless Steel please contact us.
- Recommended calibration frequency, every 12 months for flow system accuracy.

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

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