

CI-90 Series Airborne Microbial Sampler 100 LPM Flow Rate Internal Label Printer When Accuracy Matters!™



Flow Rate Provides Optimal Velocity & Impaction To Ensure High Biological and Physical Collection Efficiencies

High Reliability & Assurance

VHP Compatible

HEPA Filtered Exhaust

Audible Flow Alarm

Internal Label Printer

AC or Battery Operation

Sample a Cubic Meter in 10 Minutes

USP <797>

ISO 14644

ISO 14698

EU GMP Annex 1

Aseptic environments used in the manufacture of sterile products must be monitored in accordance with regulatory standards. The **CI-90** uses the highly effective and time proven active impaction method. This collects air through a perforated head, and microorganisms are impacted onto a standard 90mm petri dish placed into the device. Samples can be easily controlled and collected in accordance with **ISO 14698**. The head is fully autoclavable, and the unit is completely compatible with common cleaning procedures, including VHP. Moreover, the internal exhaust incorporates a **HEPA filter**. The CI-90 has an internal label printer that provides traceability. **Automatic flow control** regulates optimal sample velocity during all operating conditions, which ensures sample consistency and accuracy. An **audible flow alarm** provides additional assurance of a valid sample.

Reliability, Accuracy & Support

The **CI-90** microbial samplers 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.

Return On Investment

Not all microbial samplers 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 instrumentation for cleanroom monitoring, validation, and certification.

Applications Include:

Cleanroom Monitoring & Validation

Medical Device Manufacturing

Pharmaceutical Manufacturing

Hospitals

Food & Beverage Processing

Aerospace Assembly

Pharmaceutical Compounding

Cosmetic Manufacturing

CLIMET[®]
INSTRUMENTS COMPANY

CI-90 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	<p>CI-90 = 100 LPM microbial sampler with Aluminum Sampling Head</p> <p>CI-90+ = 100 LPM microbial sampler with Passivated 316L Stainless Steel Sampling Head</p> <p>* All models are 304 Stainless Steel Enclosure, RS-232 data interface, and HEPA filtered internal exhaust. Both sampling heads are autoclavable @ 134°C for 20 minutes.</p>
Performance	<p>Sample Flow Rate: 100 LPM (0.1 cubic meter per minute, or 3.53 cubic feet per minute)</p> <p>Sample time to measure a cubic meter : 10 minutes</p> <p>Flow Rate Control: Electronic, automatic closed loop</p> <p>Cleaning: Compatible with common cleaning and sterilization procedures, including VHP.</p> <p>Alarm: Internal audible alarm, +/-10% of 100 LPM Flow Rate</p> <p>Data Interface: RS-232</p> <p>Display: 4x20 character LCD</p> <p>Printer: Thermal Label Printer</p>
Programming & Memory	<p>Unit ID: User Selectable; 6 characters long</p> <p>User ID: Up to 10 users, 9 characters long.</p> <p>Location ID: Up to 100; 15 characters.</p> <p>Security: Prevents changes to settings, or stopping a sample in progress.</p>
Included Accessories and Features	<p>Internal thermal label printer, internal battery charger, battery, stainless steel locking collar, sample head, two rolls of adhesive labels, IQ/OQ Docs, and manual.</p>
Electrical	<p>Battery: 9.6 VDC 7.6 Amp Hours</p> <p>Battery Operation: 7 hours (typical) with continuous sampling</p> <p>Battery Recharge time: 2.0-2.5 hours (built-in charger)</p> <p>Wall Power: Universal 100-240 VAC Input</p>
Dimensions & Weight	<p>7.5"(H) x 8.1" (W) x 9.9" (L) (19.05 cm x 20.574 cm x 25.146 cm)</p> <p>CI-90: weight with battery is 10.5 lbs. (4.76 Kg)</p> <p>CI-90+: weight with battery is 12 lbs. (5.44Kg)</p>
Environmental	<p>Operating temperature: 0-36°C, 32-97°F</p>

- High pressure diffusers, validation documentation, and other accessories sold separately.
- 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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