

Airborne microbial sample CLIMET

CI-90A Serie

The CI-90A 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 under the sample head. Samples can be easily controlled, collected, and cultured.

In accordance with ISO 14698-1, the enclosure is polished stainless steel providing the highest resistance to particle or microbial attachment, and thus mitigating the risk of biocontamination. Also, the sample head is fully autoclavable, and the CI-90A is completely compatible with common cleaning procedures, including VHP. The internal exhaust incorporates a HEPA filter to prevent the introduction of particles or biocontamination. The CI-90A has Automatic Flow Control technology that regulates impaction velocity during all operating conditions, which ensures sample consistency, accuracy, and that tolerances are within calibration. An audible flow alarm provides additional assurance of a valid sample, and mitigates expensive deviation reports. The CI-90A has an internal thermal label printer that provides traceability.

SPECIFICATIONS

Configurations:

- CI-90A = 100 LPM microbial sampler with Aluminum Sampling Head
- CI90A+ = 100 LPM microbial sampler with Passivated 316L Stainless Steel Sampling Head

* 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 Flow Rate: 100 LPM (0.1 cubic meter per minute, or 3.53 cubic feet per minute)

Sample time to measure a cubic meter: 10 minutes

Flow Rate Control: Electronic, automatic closed loop

Cleaning: Compatible with common cleaning and sterilization procedures, including VHP

Flow Rate Audible Alarm: Internal audible alarm, +/-10% of 100 LPM Flow Rate

Data Interface: RS-232 for use with IDLoader Software

Display: 4x20 character LCD

Printer: Thermal Label Printer for traceability (Location ID, User ID, time, date, etc)

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:

Internal thermal label printer, internal battery charger, battery, stainless steel locking collar, sample head, two rolls of adhesive labels, manual, and IDLoader Software included

Electrical AC and battery supported:

Battery: 9.6 VDC, 7.6 Amp Hours

Battery Operation (typical): 7 hours with continuous sampling

Battery Recharge time: 2.0-2.5 hours (built-in charger)

Wall Power: Universal 100-240 VAC Input



Dimensions & Weight: (19.05 cm x 20.574 cm x 25.146 cm)

CI-90A with aluminum sample head, weight with battery is 4.76 Kg

CI-90A+ with stainless steel sample head, weight with battery is 5.44 Kg

Environmental:

Operating temperature: 0-36°C, 32-97°F

0-90% relative humidity, non-condensing

- Biological and Physical Efficiency validated to ISO 14698-1, with unparalleled performance down to 1µm. Biological and Physical Efficiency test report available to customers upon request