

DATA SHEET: CLJ-BII(D) Airborne Particle Counter

High-Flow 1.0 CFM Desktop Instrument for Cleanroom Compliance

1. PRODUCT OVERVIEW

The **CLJ-BII(D)** is a professional microcomputer-controlled airborne particle counter engineered for high-precision environmental monitoring. Featuring an industry-standard 1.0 CFM (28.3 LPM) flow rate and robust 6-channel detection, it provides rapid and reliable data for cleanroom certification. This instrument is essential for ensuring compliance with international pharmaceutical, electronic, and food safety standards.

2. KEY FEATURES

- **High Sampling Volume:** Stable 28.3 LPM (1.0 CFM) flow rate enables efficient and rapid large-volume environmental monitoring.
- **6-Channel Detection:** Simultaneous monitoring across particle size channels from 0.3 μm to 10.0 μm .
- **Regulatory Reporting:** Integrated logic for Federal Standard 209E cleanliness assessment and reporting.
- **Instant Hardcopy:** Features a built-in high-speed thermal printer for immediate on-site data documentation.
- **Portable Power:** Equipped with a high-capacity internal battery supporting over 4 hours of continuous field measurement.
- **Unit Flexibility:** Provides real-time conversion and display between counts/ft³ and counts/m³.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Flow Rate	1.0 CFM (28.3 LPM)
Particle Channels	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm
Test Range	Class 100 - 300,000
Light Source	Semiconductor Laser (>30,000h life)
Output Interface	Integrated Thermal Printer
Dimensions (LWH)	245 × 410 × 125 mm
Weight	8.0 kg (17.6 lbs)
Power Supply	AC 220V \pm 10%, 50Hz

4. APPLICATIONS

- **Cleanroom Certification:** Verification of environmental compliance in high-grade sterile areas.
 - **Industrial Manufacturing:** Monitoring of sensitive production lines in electronics and semiconductor sectors.
 - **Food & Beverage:** Ensuring air quality safety during processing and packaging stages.
 - **HVAC Validation:** Assessing filter efficiency and airflow integrity in specialized ventilation systems.
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5. STANDARD ACCESSORIES

- **Aluminum Isokinetic Sampling Probe**
 - High-Efficiency Zero-Count (HEPA) Filter
 - Thermal Printing Paper
 - Internal Rechargeable Battery
 - **Factory Calibration Report**
 - User Manual
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Manufactured by:
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