

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

Portable & Professional Environmental Monitoring Instrument

1. PRODUCT OVERVIEW

The CLJ-BII(J) is a microcomputer-controlled airborne particle counter engineered for high-precision air cleanliness assessment. Housed in a durable aluminum shell with plastic spray coating, it is designed for both portable and stationary use. The instrument simultaneously monitors six particle size channels, providing reliable data for cleanroom validation and filter testing. Featuring a built-in printer (Thermal or Needle), the CLJ-BII(J) allows users to print results according to ALL (Real Value) Mode or 209E Mode, making it a versatile solution for field audits and laboratory use.

2. KEY FEATURES

- **Six-Channel Precision:** Simultaneously monitors 0.3, 0.5, 1.0, 3.0, 5.0, and 10.0 μm particle sizes.
- **Industrial Enclosure:** Rugged aluminum shell with a protective plastic spray finish for easy decontamination.
- **Dual Printing Modes:** Integrated printer supports both ALL (Real Value) and 209E data processing.
- **On-Site Documentation:** Built-in printer (Thermal or Needle type) for immediate hardcopy records.
- **Portable Power:** High-capacity internal rechargeable battery supports over 4 hours of continuous field operation.
- **Internal Data Management:** Secure internal data storage for sample records (Note: Data is non-exportable).
- **Flexible Unit Display:** Supports real-time conversion between counts/ m^3 and counts/ ft^3 .

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Particle Size Channels	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm
Flow Rate	0.1 CFM (2.83 LPM)
Light Source	High-performance Laser Diode (>30,000 hours life)
Detection Cycle	1 min – 10 min (10 adjustable levels)
Integrated Printer	Built-in Printer (Thermal or Needle type)
Data Processing	ALL (Real Value) Mode / 209E Mode
Enclosure Material	Aluminum shell with plastic spray coating

Feature	Specification
Battery Life	> 4 Hours (Continuous Use)
Power Source	AC 220V ± 10%, 50Hz ± 2Hz
Dimensions (W×L×H)	215 × 255 × 110 mm
Weight	2.6 kg

4. APPLICATIONS

- **Cleanroom Validation:** Monitoring and verifying cleanrooms for ISO/FS compliance.
- **Contamination Control:** Tracking particle sources and testing filter integrity.
- **Specialized Monitoring:** Laminar airflow hoods, sterile benches, and HVAC systems.
- **Field Audits:** Portable monitoring in pharmaceutical and electronics manufacturing.

5. STANDARD ACCESSORIES

- Stainless Steel Isokinetic Sampling Probe
- Internal Rechargeable Battery
- Thermal or Needle Printing Paper
- Power Adapter (110-240V compatible)
- **Factory Calibration Report**
- User Manual

Manufactured by:
Honri Airclean Technology (Suzhou) Co., Ltd.