

DATA SHEET: CLJ-BII Benchtop Airborne Particle Counter

Professional Contamination Monitoring System

1. PRODUCT OVERVIEW

The **CLJ-BII** is a precision benchtop laser particle counter designed for stable and continuous air quality assessment in controlled environments. Housed in a durable **aluminum shell with plastic spray coating**, it is engineered for pharmaceutical cleanrooms, laboratories, and industrial manufacturing sites. Featuring a **built-in printer (Thermal or Needle)**, the CLJ-BII allows users to print results according to **ALL (Real Value) Mode** or **209E Mode**, providing a reliable stand-alone solution for cleanroom compliance and verification.

2. KEY FEATURES

- **Six-Channel Detection:** Simultaneously monitors 0.3, 0.5, 1.0, 3.0, 5.0, and 10.0 μm particle sizes.
- **Stable Flow Control:** Constant flow rate of 2.83 LPM (0.1 CFM) for high-accuracy monitoring.
- **Industrial Enclosure:** Rugged aluminum shell with a protective plastic spray finish.
- **Dual Printing Modes:** Built-in printer supports both ALL (Real Value) and 209E data processing.
- **On-Site Documentation:** Integrated printer (Thermal or Needle type) for immediate hardcopy records.
- **Internal Data Management:** Secure internal data storage for up to 1,000 records.
- **Multi-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
Detection Cycle	1 min – 10 min (10 adjustable levels)
Integrated Printer	Built-in Printer (Thermal or Needle type)
Data Storage	1,000 Sample Records
Data Processing	ALL (Real Value) Mode / 209E Mode
Enclosure Material	Aluminum shell with plastic spray coating
Power Source	AC 220V \pm 10%, 50Hz \pm 2Hz

Feature	Specification
Dimensions (W×L×H)	215 × 255 × 110 mm
Weight	2.6 kg

4. APPLICATIONS

- **Pharmacy & Healthcare:** Environmental monitoring for sterile filling and drug production.
- **Cleanroom Validation:** Periodic certification of ISO Class 5-9 environments.
- **HVAC Systems:** Filter integrity testing and air quality audits.
- **Industrial Manufacturing:** Monitoring of micro-contamination in assembly lines.

5. STANDARD ACCESSORIES

- Stainless Steel Isokinetic Sampling Probe
- Tygon® Low-Shedding Sampling Tubing
- Thermal or Needle Printing Paper
- Zero-Count (HEPA) Purge Filter
- **Factory Calibration Report**
- Power Cord
- User Manual

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