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

Professional Desktop Particle Counter for Cleanroom Validation

1. PRODUCT OVERVIEW

The **CLJ-BII(LCD)** is an advanced microcomputer-controlled instrument designed to detect air cleanliness levels in cleanrooms and controlled environments. Housed in a durable aluminum shell with a protective plastic spray coating, it provides immediate feedback through a high-definition LCD screen and integrated thermal printing. Capable of monitoring Class 100 to 300,000 facilities, it ensures rigorous compliance with pharmaceutical, optics, and general industrial standards.

2. KEY FEATURES

- **Six Particle-Size Channels:** Simultaneous monitoring of 0.3, 0.5, 1.0, 3.0, 5.0, and 10.0 μm.
- **Industrial Enclosure:** Rugged aluminum shell with a protective finish for easy decontamination in sterile environments.
- **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 results.
- **Standard-Exceed Alarm:** Configurable alarms for specific purification grades to ensure environmental safety.
- **Internal Data Management:** Secure internal data storage for sample records (Note: Data is local and non-exportable).
- **Unit Flexibility:** Automatic conversion between counts/m³ and counts/ft³.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Particle Size Channels	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm
Measurement Range	Class 100 - 300,000
Flow Rate	0.1 CFM (2.83 LPM)
Sampling Head Material	**Aluminum**
Detection Cycle	1 min - 10 min (10 adjustable levels)
Self-Clean Time	≤ 10 min
Light Source	Semiconductor Laser (>30,000h life)

Feature	Specification
Integrated Printer	Built-in Printer (Thermal or Needle type)
Power Supply	**AC 220V ± 10%, 50Hz ± 2Hz / Built-in Lithium Battery (Optional)**
Dimensions (W×L×H)	**235 × 300 × 115 mm**
Weight	**3.3 kg**

4. APPLICATIONS

- **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.
- **Industrial Manufacturing:** Monitoring micro-contamination in assembly lines.

5. STANDARD ACCESSORIES

- **Aluminum Isokinetic Sampling Probe**
- Aluminum Alloy Carrying Case
- Thermal or Needle Printing Paper
- Zero-Count (HEPA) Purge Filter
- **Factory Calibration Report**
- Power Cord
- User Manual

Manufactured by:
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