

DATA SHEET: CLJ-R310 Remote Particle Counter

High-Flow Remote Monitoring with Integrated OLED Display

1. PRODUCT OVERVIEW

The **CLJ-R310** is a high-flow (1.0 CFM) remote particle counter featuring a clear 2.4-inch OLED display for real-time visualization. It is specifically designed for integration into Facility Monitoring Systems (FMS) where local on-site data confirmation is required alongside centralized logging. Engineered for precision and stability, it ensures continuous air quality monitoring in compliance with ISO 14644-1 and GMP standards.

2. KEY FEATURES

- OLED Visualization:** Integrated 2.4-inch OLED screen provides immediate local data checks and operational status.
- Versatile Connectivity:** Supports RS485 or TCP/IP (Modbus) communication protocols for flexible and reliable networking.
- Precision Monitoring:** Calibrated for high-accuracy detection across 6 particle size channels, essential for critical cleanroom validation.
- Seamless FMS Integration:** Designed for effortless connection to centralized facility management software for automated data collection.
- Robust Hardware:** Supports dual power options including DC 12-24V and 48V Power over Ethernet (PoE) for simplified installation.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Flow Rate	28.3 LPM (1.0 CFM)
Particle Channels	0.3, 0.5, 1.0, 2.0, 3.0, 5.0 μ m
Vacuum Source	External Vacuum Pump
Display	2.4-inch OLED
Communication	RS485 / TCP/IP (Modbus)
Power Input	12-24V DC / 48V PoE
Dimensions (LWH)	167 × 95 × 73 mm
Weight	1.1 kg

4. STANDARD ACCESSORIES

- CLJ-R310 Display Unit
 - Communication Cable
 - **Factory Calibration Report**
 - User Manual
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Manufactured by:

Honri Airclean Technology (Suzhou) Co., Ltd.