

DATA SHEET: CLJ-R310P Remote Particle Counter

Self-Contained High-Flow Monitoring Node

1. PRODUCT OVERVIEW

The **CLJ-R310P** is a robust monitoring solution combining a 1.0 CFM flow rate with a built-in vacuum pump and an integrated OLED display. It is a complete monitoring node designed for critical environments where infrastructure for external vacuum is unavailable.

2. KEY FEATURES

- **Full Integration:** Built-in 28.3 LPM pump for autonomous air sampling.
- **High Performance:** Designed for rapid 1m³ sampling requirements in Grade A/B zones.
- **Advanced I/O:** Available with WiFi, LORA, and various analog signal outputs.
- **Continuous Duty:** Engineered for 24/7 operation in sterile production environments.

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 µm
Vacuum Source	Built-in Pump
Display	2.4-inch OLED
Communication	RS485 or TCPIP (MODBUS)
Power Input	12-24V DC / 48V POE
Dimensions	217 x 250 x 138 mm
Weight	2.6 - 2.8 kg

4. STANDARD ACCESSORIES

- CLJ-R310P All-in-One Unit
- Power Supply Unit
- **Factory Calibration Report**
- User Manual

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