DATA SHEET: CLJ-H630 Handheld Airborne Particle Counter

High-Precision Contamination Monitoring for Critical Environments

1. PRODUCT OVERVIEW

The **CLJ-H630** is a professional-grade, handheld laser particle counter designed for high-accuracy air quality monitoring in controlled environments. Engineered for portability and ease of use, it simultaneously monitors six particle size channels, providing real-time data for cleanroom classification and filter efficiency testing. With its ergonomic design and high-resolution color display, the CLJ-H630 is an ideal tool for field technicians in the pharmaceutical, semiconductor, and healthcare industries.

2. KEY FEATURES

- **Six-Channel Simultaneous Counting:** Monitors 0.3, 0.5, 1.0, 2.0, 3.0, and 5.0 µm sizes.
- **Industry Compliance:** Automated 95% UCL calculation for ISO 14644-1 and GMP certification.
- **Massive Data Capacity:** Internal storage for up to 260,000 data records with USB export capability.
- **Intuitive Interface:** 3.5-inch 480x320 high-resolution color LCD for clear data visualization.
- **Long-Life Laser:** Advanced laser diode with >30,000 hours MTBF.
- **High Portability:** Lightweight (0.9 kg) with an 8-hour rechargeable Li-ion battery.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Particle Size Channels	0.3, 0.5, 1.0, 2.0, 3.0, 5.0 µm
Flow Rate	0.1 CFM (2.83 LPM)
Counting Efficiency	50% @ 0.3 µm; 100% for particles >0.45 µm
Concentration Limit	2,000,000 particles/ft³
Zero Count Rate	<1 count per 5 minutes
Sample Modes	Manual, Auto, ISO 14644-1 Calculation
Data Storage	260,000 Samples
Communication	USB Port
Display	3.5" High-definition Color LCD
Battery Life	>8 Hours continuous operation

Feature	Specification
Dimensions (LWH)	245 x 130 x 45 mm
Weight	0.9 kg (2.0 lbs)
Enclosure	High-impact ABS Plastic

4. APPLICATIONS

- **Cleanroom Classification:** Verification of ISO Class 5 to 9 environments.
- **Filter Testing:** HEPA/ULPA filter leak detection and efficiency scanning.
- **IAQ Audits:** Industrial hygiene and indoor air quality investigations.
- **Regulatory Compliance:** Environmental monitoring for FDA/GMP regulated facilities.

5. STANDARD ACCESSORIES

- Rugged Hardshell Carrying Case
- Isokinetic Sampling Probe
- Zero-Count Filter (Purge Filter)
- USB Data Cable & Power Adapter
- **Factory Calibration Report**
- Comprehensive User Manual

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