

DATA SHEET: FSC-R10 Microbial Air Sampler

Real-Time Remote Microbial Sampling for Integrated Monitoring Systems

1. PRODUCT OVERVIEW

The **FSC-R10** is an advanced online microbial air sampler designed for seamless integration with Facility Monitoring Systems (FMS). It enables real-time remote microbial sampling, allowing all parameter settings and operational functions to be managed via centralized software. Engineered for critical environments, it provides high-precision data logging for sampling volume, dates, and times at each monitoring point.

2. KEY FEATURES

- **Remote Integration:** Fully compatible with FMS software for real-time remote operation and data management.
- **Centralized Control:** All parameter configurations and functions are executed through system software to minimize manual intervention.
- **Standard Communication:** Supports industry-standard Modbus-TCP and Modbus-RTU protocols for reliable networking.
- **Industrial Build:** The sampling head is constructed from high-grade SS316L stainless steel, ideal for sterile environments.
- **Local Control:** Equipped with a physical RUN/STOP button for immediate manual control when necessary.
- **Precision Documentation:** Automatically records key parameters including sampling amount, date, and time for each sampling point.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Flow Rate Options	28.3 L/min, 50 L/min, or 100 L/min
Collection Efficiency	≥ 98%
Communication Protocols	Modbus-TCP / Modbus-RTU
Sampling Head Material	SS316L Stainless Steel
Sampling Head Size	Φ100 × 50 mm
Sampling Head Weight	1.6 kg
Switch Control	Physical RUN/STOP Button
Working Environment	Temp: 0 - 50°C / Humidity: < 85% RH

4. APPLICATIONS

- **Facility Monitoring:** Remote microbial monitoring in pharmaceutical Grade A/B zones.
 - **Automated Cleanrooms:** Integration into centralized cleanroom management systems.
 - **Biotech Production:** Continuous bio-aerosol tracking in sterile manufacturing lines.
 - **Compliance:** Ensuring data integrity and audit trails for microbial sampling.
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5. STANDARD ACCESSORIES

- SS316L Remote Sampling Head
 - Communication Interface Module
 - **Factory Calibration Report**
 - Installation & User Manual
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Manufactured by:

Honri Airclean Technology (Suzhou) Co., Ltd.