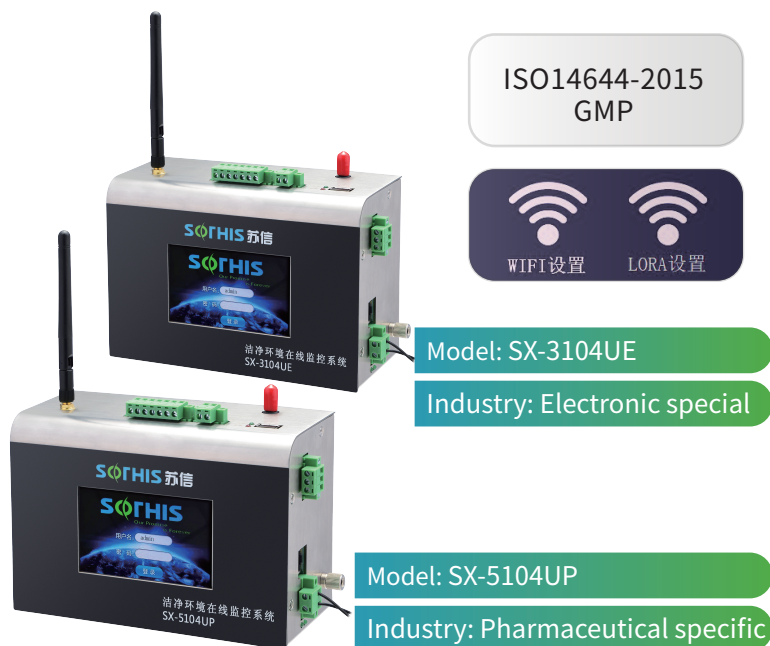


28.3L online dust particle counter introduction



28.3L The online particle counter meets the standards for online dynamic monitoring, complying with ISO 14644-1:2015 and GMP requirements. This product is designed for various cleanroom applications, enabling routine remote real-time monitoring of cleanrooms. The interactive software guides users to perform dynamic monitoring of the cleanroom environment according to ISO 14644-1:2015 and GMP annexes.

The monitoring results of the clean room can be displayed on a terminal display via RS485, WiFi, LORA, or Ethernet. The robust, chemically resistant (SUS316L) casing is lightweight and portable, with a streamlined design that minimizes particle traps, making the equipment easy to clean. A 24V DC power supply powers the components. An optional external wireless adapter facilitates wireless network communication, simplifying network system integration. Connects to third-party monitoring systems via Modbus TCP/IP or Modbus RTU communication protocols for remote management of all particle counters within the system.

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merit

- Provide a complete verification manual to facilitate compliance with pharmaceutical/electronic specifications
- Through the combination of online monitoring software, real-time monitoring, historical curve, alarm record, data record, audit tracking and other functions can be realized
- It has a 4.3-inch touch screen and can be operated with gloves
- 24V DC power supply for continuous use
- Store samples to reduce operator error
- Use data management software to archive long-term data and support long-term data storage
- Supports WiFi and LORA communication for easy data transmission and device control (optional). CSV files can be downloaded for easy data integration
- Interactive software guides users to complete clean room environment monitoring according to ISO 14644-1 and GMP standards
- Alarm value can be set to facilitate fault identification in clean room
- Modbus TCP/IP or Modbus RTU communication protocol can be used to communicate with third-party monitoring systems
- Built-in low noise power source, providing a comfortable working environment
- Download to comply with 21 CFR-11 rules, user configuration privileges, access rights

function

- Provide 28.3L/min(1.0CFM) traffic collection
- Compatible with conventional clean room environment and other clean environment monitoring
- Complies with ISO 14644-1:2015 standard
- 4.3 inch touch screen, use gloves to simplify operation
- Analyze and generate reports in accordance with ISO 14644-1:2015, GMP

apply

- Clean room clean environment testing
- Particle trend analysis
- Statistical process control
- Particle drift accident diagnosis

28.3L online dust particle counter introduction



model	SX-3104UE	SX-5104UP
Particle size channel	0.3μm, 0.5μm, 1.0μm, 5.0μm	0.5μm, 1.0μm, 5.0μm, 10.0μm
Sampling flow	28.3L/min ±5% (1.0 CFM)	
Laser light source	Imported laser diodes (continuous life up to 100,000 hours)	
Vacuum power source	The continuous working flow of the DC fan is stable, energy saving and environmental protection, and it is efficient and low noise	
Verification criteria	JJF 1190-2008, GB/T 6167-2007	
Relative error of repeatability	≤±10%FS	
Particle size distribution error	≤±30%	
Particle concentration indication error	≤±30%FS	
Self-cleaning time	≤10min (counting is zero for 3 consecutive times within 10 minutes)	
Dwell time	Set the range: 1 to 65,535 seconds	
Sampling delay	Set the range: 1~255 seconds	
Number of samples taken	Range: 1 to 65,535	
Channel verification	Each channel DAC can be configured and independently verified	
Sampling concentration	35,000 particles /L	
Counting mode	Cumulative number, concentration	
Data memory capacity	1~5,000,000 sets of measurement data, 4G data storage space, can be queried	
data service	PC terminal software	
Communication mode	RS485: Modbus RTU protocol, Ethernet: Modbus TCP/IP protocol	
Other optional interfaces	WIFI/LORA is optional and supports Modbus protocol	
Cleanliness grade judgment criteria	ISO 14644-1, GMP dynamic, GMP static	
Source	DC24V 2A	
Other accessories	RS485 terminals, power adapters	
Data communication interface	USB disk export, support Excel table	
Three levels of authority	Three levels of permission, data storage and retrieval, printing	
Environment	Usage environment: temperature 0~40°C relative humidity 10~70%	
	Storage environment: temperature -30°C~45°C relative humidity 0~90%	
Outline dimension	Length 185 x width 116 x height 161.5 (mm) excluding interface	
Shell material	SUS316L stainless steel	
weight	2.0Kg	
Quality Assurance	The warranty is 1 year, and optional extended warranty service can be selected	



Suzhou Suxin Environmental Technology Co., LTD



One-to-one service



Quality three guarantees



factory direct sale