

Introduction to aerosol photometer leak detector



Model: SX-300P

The SX-300P is a linear spectrophotometer with a light-scattering design. It primarily functions to sample air and other gases, displaying the particle concentration.

Compact and lightweight, the SX-300P features a robust die-cast aluminum casing.

The main unit is an LCD touch screen, and the scanning handle is equipped with finger pressure buttons, making it easy for operators to operate and read data.

The most common application of the SX-300P is to test the integrity and leak of HEPA/ULPA filtration systems.

An aerosol generator produces aerosol particles, which are introduced upstream of the filter to achieve a concentration that meets regulatory standards, ensuring effectiveness during downstream scanning tests. The integrity of the filter is determined by scanning its surface and edges with a scanning handle.

merit

- Strictly produced in accordance with industry standards, calibrated according to national metrological verification procedures, and a complete verification manual is provided, fully meeting the requirements of pharmaceutical/electronic specifications
- The design is ingenious, with many functions, high test accuracy, fast speed and easy to use
- The function is simple and clear, and the external printer can print the results by itself
- The instrument itself can store 10,000 sets of data, and the historical data can be displayed and exported in various forms such as graphics and lists
- The whole machine function is controlled by micro-computer, which can directly print the test results and export the data to U disk for easy archiving
- LCD: simple human-computer interaction, easy to operate

function

- **Sampling flow rate:** 28.3L/min
- **Concentration flow rate:** 0.0001-600 μ g/L (mg/m³)
- **Resolution:** 0.0001 μ g/L
- **Accuracy:** 1% of the reading value (0.01% to 100%)
- **Repeatability:** 0.5% of the reading value (0.01% to 100%)
- Compatible with conventional clean room environment and other clean environment monitoring
- Complies with GMP, ISO 14644.3 and other standards
- 4.3-inch touch screen, wear gloves to use, simplify the operation

apply

- Leak Detection for High-Efficiency Filters in Clean-rooms
- Applied in industries: Pharmaceuticals, Semiconductors, Batteries, Precision Machinery, Food Processing, Operating Rooms, etc.
- Leak detection for high-efficiency filters in local clean environments (Laminar Flow Hoods, Clean Benches, Clean Transfer Windows, Clean Safety Cabinets, Weighing Hoods)

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parameter

model	SX-300P
Principle	light scattering
Aerosol type	DEHS, PAO, etc
Concentration range	0.0001-600 μ g/L (mg/m ³)
Resolution ratio	0.0001 μ g/L
Definition	Readings at 1% (0.01%FS-100%FS)
Repetitiveness	<0.5%
Auto reset	Rebuild the zero point
Sampling flow	28.3L/min
Power supply	Built-in air pump (flow adjustable)
Illuminant	Semiconductor laser (life more than 50,000 hours) imported
Communication	RS485 interface (Modbus-RTU protocol), USB interface
Self-cleaning time	\leq 1min
Source	200~240V/AC50Hz
Data memory capacity	1000 sets of measurement data, 4G data storage space, can be queried
Requirement	ISO14644.3-2015
Service environment	Temperature: 10°C~35°C, humidity: 20%~75%, atmospheric pressure: 86kPa~106kPa
Size	260 (long) \times 370 (wide) \times 160 (high) mm, metal baked paint shell
Weight	9.8kg
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