

Introduction to 0.1 μ m desktop dust particle counter



model :SX-110A

The SX-110A type dust particle counter is a new generation of touch-screen portable dust particle counters developed by our company. It features a sampling flow rate of 28.3L/min \pm 5% (i.e., 1 cubic foot CFM) and supports particle size channels up to 0.1 μ m.

The instrument features a 7-inch color touch screen, which is both attractive and elegant. The body is made of SUS316L stainless steel. It uses a brushless DC fan as the vacuum power source, ensuring continuous, stable operation with ultra-low noise, making it energy-efficient and environmentally friendly. It is equipped with a digital flow sensor for dynamic and precise control of the sampling flow rate. The instrument can be powered by AC or a large-capacity lithium battery pack, making it suitable for mobile detection in areas without AC power.

merit

- Provide a complete verification manual to facilitate compliance with pharmaceutical/electronic specifications
- Built-in thermal printer for sampling data printing
- Support long-term data storage and USB export
- Light weight and ergonomic design suitable for one person to operate
- Audit tracking, personnel operation record storage
- The particle number alarm is realized by setting the alarm parameters
- Set up separate passwords and operation permissions according to the identity of operator, auditor and administrator
- Sampling area, grade standard and particle size selection can be preset in advance
- GMP and ISO 14644-1 cleanliness standard judgment
- It was verified according to JJF 1190-2008 and GB/T 6167-2007
- 7-inch touch screen, simplified operation

function

- Sampling flow rate: 28.3L/min \pm 5% (1 CFM)
- Particle size channel: supports 0.1 μ m
- Particle size distribution error: $\leq \pm$ 30%
- Error of indicated concentration: less than \pm 30%FS
- Relative error of repeatability: less than or equal to 10%FS
- Self-cleaning time: less than 10min
- Complies with GMP static, GMP dynamic and ISO 14644-1 standards
- Sampling concentration: 35,000 particles/liter

apply

- Cleanliness testing of clean room (area)
- Electronics, optics, chemistry, food, cosmetics, medicine and health, biological products, aerospace clean room daily maintenance monitoring of airborne particles measurement

Introduction to 0.1μm desktop dust particle counter



model	SX-110A
Particle size channel	0.1μm、0.2μm、0.3μm、0.5μm、1.0μm、5.0μm
Sampling flow	28.3L/min ±5% (1.0CFM)
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, high efficiency and low noise
Verification criteria	JJF 1190-2008, GB/T 6167-2007, ISO 21501.4-2018
Self-cleaning time	≤10min (counting is zero for 3 consecutive times within 10 minutes)
Counting yield	0.1μm for 50±20% and 0.2μm for 100±10%
Dwell time	User set (1~14400 seconds)
Sampling delay	User set (5~9999 seconds)
District management	You can preset 1000 sampling areas and save the configuration parameters independently
Number of sampling points	1-250
Number of samples (per point)	1-50
Point spacing	1 to 14,400 seconds
Sampling concentration	35,000 particles /L
Counting mode	Cumulative number, concentration (m ³ , ft ³)
Data memory capacity	5 million ordinary sampling data, 1 million UCL sampling data, and 10 million audit tracking data
Cleanliness grade judgment criteria	ISO 14644.1-1999, GMP dynamic, GMP static, GB/T 25915.1-2021, YY/T 0033-2000
Operate time	The continuous test time after full charge is 6~8 hours
User management	200 users, separate passwords
Authority management	Three levels of permission, data storage and retrieval, printing
Source	Input 100V-240V 3A, output 25.2V 5A
Other accessories	Equal power sampling frame, data U disk, network cable, communication terminal, exhaust port, wifi antenna
Environment	Usage environment: temperature 10~35°C relative humidity 20~95%RH (no condensation) Storage environment: temperature-15~60°C relative humidity 0~98%RH (no condensation)
Outline dimension	Length 260 x width 210 x height 275 (mm) (excluding handle)
Shell material	SUS316L stainless steel
Weight	6.0kg
Power	Counter (20W), charger (126W)
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