

Introduction to high concentration dust particle counter



model :SX-L301N

SX-L301N high concentration particle counter is a multi-functional all-in-one machine formed by combining our 2.83L/min touch screen particle counter with diluter, which facilitates users to detect particles of different concentrations in different occasions.

Utilize the principle of bypassing high-concentration airflow to achieve particle dilution.

The dilution ratio can be divided into different levels within a specified range. The calibration measurement of the dilution ratio is conducted using the actual measurement method according to relevant standards, which involves measuring the ratio of particle concentrations at the inlet and outlet of the diluter within the normal range of particle concentration.

The all-in-one machine can be used for particle detection in clean areas to determine the cleanliness level, and can also be used for special detection in high concentration particle areas (for example: self-purification time detection in clean areas, CADR value calculation of air purifier, etc).

merit

- Provide a complete verification manual to facilitate compliance with pharmaceutical/electronic specifications
- The printer prints the sampled data
- Light weight and ergonomic design suitable for one person to operate
- 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

- Self-cleaning time: less than 10min
- Complies with GMP static, GMP dynamic and ISO 14644-1 standards
- Sampling concentration: 35,000 particles/liter (100 times diluted)
- 5000 stored data
- Dilution factor: 70~100

apply

- Cleanliness testing of clean room (area)
- Daily maintenance and monitoring of clean rooms in electronics plants and pharmaceutical factories
- Measurement of airborne particles
- Detection of high concentration dust particles

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parameter

model	SX-L301N
Particle size channel	0.3μm,0.5μm,1.0μm,3.0μm,5.0μm,10.0μm
Sampling flow	2.83L/min ±5% (0.1 CFM)
laser light source	Imported laser diodes (continuous life up to 100,000 hours)
Vacuum power source	The continuous working flow of the DC air pump is stable, energy saving and environmental protection, high efficiency 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	User set (1~14400 seconds)
Sampling delay	User set (1~255 seconds)
Number of sampling points	2~50
Number of samples (per point)	2~50
Point spacing	hand movement
Dilution ratio	70 to 100 times
Sampling concentration	35,000 cells /L (after 100-fold dilution)
Counting mode	Cumulative number, concentration (m ³)
Data memory capacity	1~5000 sets of measurement data, can be queried, wired export (USB port)
Cleanliness grade judgment criteria	ISO 14644.1, GMP dynamic and GMP static
User management	5 users, independent password
Authority management	Three levels of permission, data storage and retrieval, printing
Built-in lithium battery	DC 14.8V 6.6Ah
Operate time	The continuous test time after full charge is more than 6 hours
Source	Input 100-240V/AC 2.5A output 16.8V/DC 5A
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)
Case size	Length 400 x width 300 x height 180 (mm)
Shell material	SUS304 stainless steel
Weight	6Kg
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