



Dust particle counter



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Dust particle counter

DS-CL030



Product Introduction:

The DS-CL030 intelligent dust particle counter has a confidence measurement verification standard that automatically judges the purification level according to the conditions specified in the national standard and calibration specification. One sampling can simultaneously measure the number of dust particles in six particle size channels, and display the number and changes of particles in the six particle size channels simultaneously.

Applicable scope:

Meet the pharmaceutical industry (pharmaceutical factories, drug testing centers, hospital operating rooms, etc.); Electronic industry (semiconductor factories, production and processing of precision machinery, etc.); Food hygiene industry (precision processing of dairy products, plastic packaged meat products, seasoned foods, agricultural products, etc.); Manufacturer of filters, inspection of filter quality and efficiency, etc; The inspection of clean rooms (areas) required for precision machining and precision testing in the fields of optics, aerospace, etc. According to standards: National standard: Performance test method for dust particle counters

Characteristics of DS-CL030 Dust Particle Counter

1. Android version 7.1 provides a better user interaction experience
2. Built in temperature and humidity sensors, ambient air pressure sensors
3. The core component of the light scattering sensor significantly eliminates stray light in the cavity, greatly improving the signal-to-noise ratio. This makes the measurement more accurate and reliable
4. Calculated with a 95% confidence level (UCL), the counting results can be converted into m³ and ft³
5. According to the classification and regulations of purification levels, the purification level is automatically determined and convenient to use.
6. With audit tracking function, searchable, traceable, controllable, and compliant specifications
7. Supports WiFi and Bluetooth transmission, and data can be uploaded wirelessly; At the same time, it supports copying data from a USB flash drive and does not require driver plugging.
8. Configure a supervision platform, and the detection results can be directly wirelessly transmitted to the platform for short-term and short-term analysis of cleanliness, to assist in management.
9. Equipped with a new generation of high-speed thermal printer, you can choose the desired particle size channel for flexible printing results
10. Dual purpose AC/DC, built-in rechargeable lithium battery, environmentally friendly and durable, capable of supporting continuous sampling for more than 6 hours.
11. Convenient and simple telescopic pan tilt bracket, making installation and sampling operations more convenient

Technical indicators:

Model	DS-CL030
Sampling volume	28.3L/min (1cfm)
Six particle size channels	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 (μ M)
Self purification time:	≤ 10min
Particle size distribution error:	0.5um 5um ≤ ± 30%
Particle concentration indication error:	0.5um ≤ ± 30%
Measurement repetition relative deviation:	≤ ± 10%
Usage environment:	Working environment 15-35 °C, 10-85% RH
Sampling period:	can be set arbitrarily from 1 second to 99 minutes
Sampling delay:	≤ 99s
Measurement interval:	≤ 999s
Sampling method:	single, ≤ 99 (self determined), continuous
Alarm level:	Class100-Class300000
Light source:	Imported semiconductor laser diode (with a lifespan greater than 30000 hours)
Screen display method:	7-inch color touch screen
Charging time:	3 hours
Design working time:	8 hours
Working power:	25W
Internal battery:	220Wh (16.8V/15Ah)
Charger	84W (16.8V/5A)