

AIR PARTICLE COUNTER



OVERVIEW

Airborne particle Counter is a Portable precision particle counter. The instrument uses light scattering principle to measure the particle size and quantity in the air where the particle size is 0.3um~10.0 um. It is mainly used in clean room testing, air filter and filtering material performance testing and other fields. It can be mainly used in cleanroom / operating room monitoring and verification, filter testing, IAQ investigation, data center cleaning and other fields.

FEATURES

- **100 lpm with 0.3 um micron** which will help for compressed air also
- **Fully 21 CFR Part 11 Compliance**
- **Three level User Management Facility**
- **continuous run up to 4 hours**
- **Specially designed by USA**
- SS316L body
- particle measurement till 6cr which will help for recovery study also
- Very compact bag with high quality tripod
- Particle can run 4 hour continuous
- No Charger required for Particle counter

PARAMETER

Particle Size : 0.3, 0.5, 1.0, 3.0, 5.0, 10.0um

Counting Efficiency : 0.3um: 50%; >0.5um: 100%

Error of particle size : 0.5um, 5um size < +30%

Repeatability : <10%FS at the same test condition

Concentration Limits : 35000000/m³, 10% coincidence loss

Laser Source : Laser diodes

Zero Count level : <1 count/5min

Flow Rate : 28.3 LPM / 100 LPM, Maximum Permissible error +2%

Count Mode : Automatic, Accumulate

Count time : 1~36000s

Count Cycle : 1~100 times

Exhaust Filtration : Build-in HEPA filter (>99.97%@0.3um)

Operation Environment : (-20~50) C, <85%RH

Power Adapter : DC12V, 2A

Battery : Rechargeable Lithium-ion battery 25.9V12Ah

Battery Run Time : About 7 hours For 28.3 L/Min , 4hours For 100 L/Min

Battery Charge Time : About 5 hours

Noise : <60db (A)

Host Size : (310x275x230) mm

Weight : About 7.5kg

Power Consumption : About 80W

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