

HANDHELD PARTICLE COUNTER-ANADH-III

Introduction

Anadh-III Airborne Particle Counter is a handheld 6 channel particle counter that uses the principle of light scattering to test the number of airborne particles with sizes of 0.3, 0.5, 1.0, 3.0, 5.0, and 10.0 μ m. The flow is stable at 2.83L/min by a built-in power source. The instrument is suitable for cleanliness testing of clean rooms, and performance testing of air filter and filter material in clean workshops, biological laboratories, pharmaceutical factories, inspection and testing institutions, bio-safety cabinet manufacturers, etc.



Application

It's mainly used in cleanroom, operating room monitoring and verification, filter testing, IAQ investigation, data center cleaning, and other fields.

Technical Parameters

Flow rate: 2.83 L/min, maximum permissible error $\pm 2\%$

Channel sizes: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μ m

Counting efficiency: 0.3 μ m: 50% $\pm 20\%$; >0.5 μ m: 100% $\pm 10\%$

Error of particle size distribution: 0.5 μ m and 5 μ m channel: $\leq \pm 30\%$



Repeatability: $\leq 10\%FS$

Concentration indication error: 0.5 μm channel: $\leq \pm 30\%FS$

Light source: Laser diode

Concentration limit: 3,500,000/m³, 10% coincidence loss

Zero count: <1 count / 5 min

Sampling mode: Automatic; Cumulative count

Alarm: Audible and visual alarm when low battery

Sampling time: 1s~23h59m59s

Sampling delay/interval: 0s~23h59m59s

Sampling cycle: 1~100 times

Exhaust filtration: Built-in HEPA filter (>99.97% @ 0.3 μm)

Communication: USB, Bluetooth

Environmental sensor: Temperature, humidity, atmospheric pressure

Screen: 3.5-inch touch color screen

Power supply: Input: AC (100~240) V, 50/60 Hz,

Output: DC 12V, 2 A

Battery: Rechargeable lithium battery. Continuous sampling $\geq 3h$ @ 25°C, 101.325kPa

Sampling data: Exported to USB drive or printed by Bluetooth thermal printer

Data storage capability: 8GB, >100,000 groups

Noise: ≤ 60 dB (A)



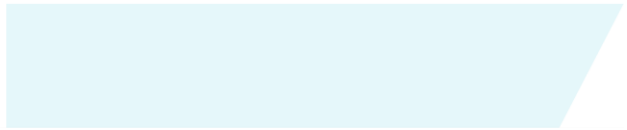
Working condition: (10~40)°C , (20~85) % RH, no condensation

Storage condition: (-20~50) °C, ≤95% RH

Dimension: (L 240 × W 120 × H 110) mm

Weight: About 1 kg

Power consumption: ≤7W



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