

MICRONVIEW

0.1 μ m APC

0.1 μ m Airborne Particle Counter (A030)

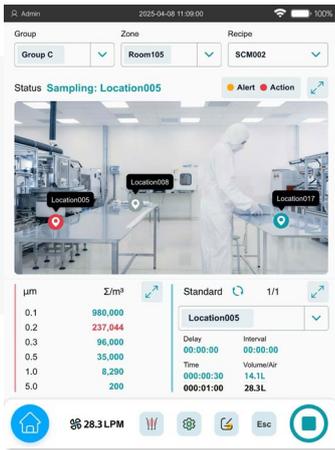


- Weight: 6.0Kg / 13.2 lbs (without battery); 7.0 Kg / 15.3 lbs (with built-in 2x9000mAh batteries)
- Dimensions: 10x7.87x10.39 in/255x200x264 mm HxWxD (with handle and foot mat)
- 8" LCD capacitive touch screen
- Multi-level authority management, with audit trail capabilities
- Compliant with ISO Class 1/Class 2

Sampling

Simultaneously displays three panels: real-time sampling view, detection readings, and sampling scheme. Select any panel to enlarge and view more details.

- 1 Real-time Sampling View: Visual representation of the sampling location layout
- 2 Sampling Readings: Synchronized display of particle detection readings at each location
- 3 Sampling Scheme: Quickly switch between location and sampling modes



0.1	980,000
0.2	237,044
0.3	96,000
0.5	35,000
1.0	8,290
5.0	200

Standard Location Location005

Delay: Remaining / Preset Cycle: Current / Preset
 00:00:00 / 00:00:00 1 / 1

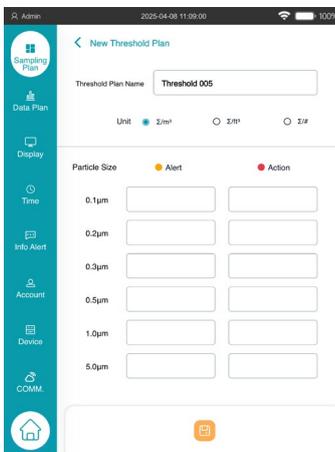
Interval: Remaining / Preset Time: Sampled / Preset
 00:00:00 / 00:00:00 00:01:00 / 00:01:00

Volume: Sampled / Preset
 28.3 / 28.3 L

2 Sampling Readings

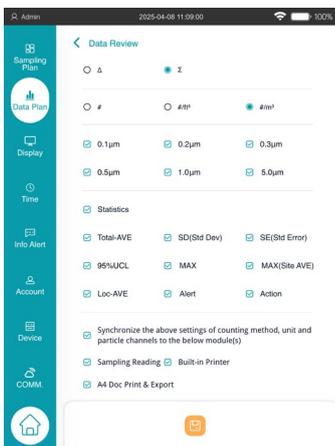
3 Sampling Scheme

1 Real-time Sampling View



Settings

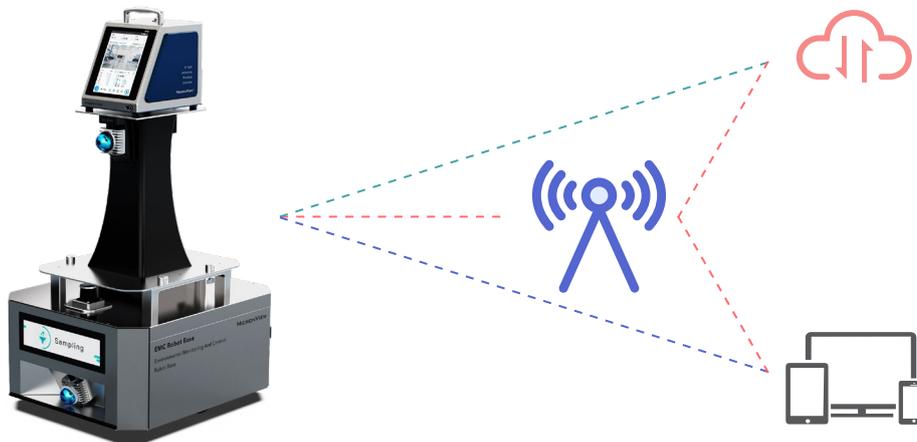
- Powerful functionality, simple interface, and user-friendly operation
- One-click software system upgrade
- Customizable multi-sampling schemes for any room



Data

- Standard Reports: One-click generation of ISO/Fed Std reports
- Data Review and Export:
 1. Summarize data by sampling location or zone
 2. Freely switch counting units: #, #/ft³, #/m³
 3. Automatically generate UCL values and averages
 4. Precisely search sampling data by time, zone, operator, etc.
- Data Integrity: audit trail capabilities

Compatible with EMC robots for intelligent airborne particle monitoring



Specification Sheet

Specification	0.1 μm Airborne Particle Counter 0.1 μm APC
Particle Size Range	0.1 μm to 10.0 μm
Size Channels	0.1 μm, 0.2 μm, 0.3 μm, 0.5 μm, 1.0 μm, 5.0 μm
Count Efficiency	(50±20)% for 0.1 μm, (100±10)% for 0.15 μm (meets ISO 21501-4 and JIS B9921)
Flow Rate	28.3 LPM±5%
Laser Source	Long life laser
Flow Rate Control	Closed-loop automatic control
Concentration Limit	4,000,000 particles/ft ³ at 10% coincidence loss
Zone/Location	20,000 zones and 200,000 locations
Sampling Time	1 second to 168 hours
Delay	0 second to 99 hours 59 minutes 59 seconds
Cycles	1000 samples in one location
Interval	0 seconds to 99 hours 59 minutes 59 seconds
Sampling Mode	Manual, auto, cumulative count Σ/ differential count Δ or concentration
Zero Count	<1 count/5 min
Exhaust	Built-in HEPA filter, filter efficiency: >99.999%@0.1 μm
Display	8" LCD capacitive touch screen

Specification	0.1 μ m Airborne Particle Counter 0.1 μ m APC
Language	Chinese, English
Communication	RJ45, USB, SENSER-HUB, WIFI (Optional)
Reports	Compliant with ISO/EU GMP/CHINA GMP/Fed Std
Export File	PDF file or EXCEL file
Data Storage	3.0GB, 5 million sample records
Data Security	Multi-level authority management, with audit trail capabilities
Data Reliability	Compliant with 21 CFR Part 11
Print	Auto or Off-line
Alarm	Built-in alarm buzzer
Calibration Frequency	Recommend once a year
Dimensions (HxWxD)	10x7.87x10.39 in/255x200x264 mm (with handle and foot mat)
Weight	6.0Kg / 13.2 lbs (without battery), 7.0 Kg / 15.3 lbs (Incl. 2 batteries)
Enclosure	316L stainless steel and anodized aluminum
Power	AC 100-240 V, 50 Hz/60 Hz
Battery	10.8 V, 9000 mAh, rechargeable lithium battery
Operating Conditions	Temperature: 5°C -35°C / 41°F - 95°F, Relative humidity: 5-90% non-condensing
Storage Conditions	Temperature: 0°C -40°C / 32°F - 104°F, Relative humidity: 5-95% non-condensing
Safety	EN 61010-1:2010+A1:2019+AC:20, EN IEC 61326-1:2021, EN 61326-1:2013
Warranty	12 months (calculated from the date of product activation or six months after the date of manufacture, whichever comes first), laser-10 year warranty

Ordering Information

Name	Model	Order No.	Flow Rate
0.1 μ m Airborne Particle Counter 0.1 μ m APC	A030	MACHA030	28.3LPM \pm 5%

MICRONVIEW

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