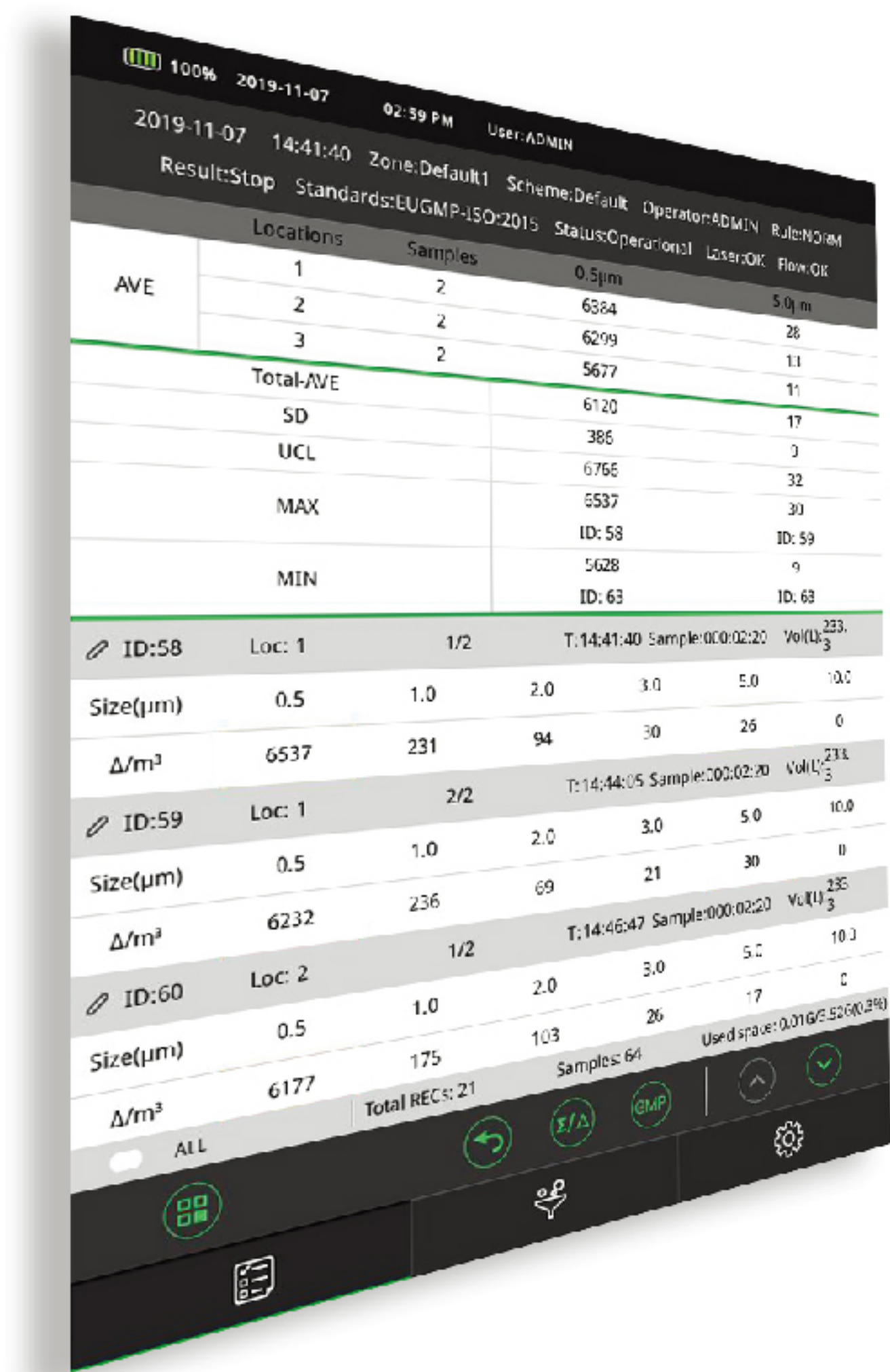




APC

Airborne Particle Counter

- 8" capacitive touch screen
- 13.45lbs/6.1Kg (without battery)
- Configurable to be connected with MicronView BioAerosol Sampler. During continuous monitoring, an air sample is collected automatically for further analysis if abnormal contamination is detected.



• Data

- Standard report: one key to generate ISO/EUGMP/CHINESEGMP reports.
- Data review and data export:
 1. Sum up data by zone.
 2. Freely switch counting unit between $\Delta / \Sigma / \# , m^3 / ft^3$.
 3. Automatically generate UCL values and average values.
 4. Search for sample records precisely by time, zone and operator.
- Data integrity: featured with audit trail.

• Setup

- Clear layout for orders. Simple and easy to use.
- One-click for system software upgrade.
- Multiple sets of personalized sampling schemes can be customized for any zone.



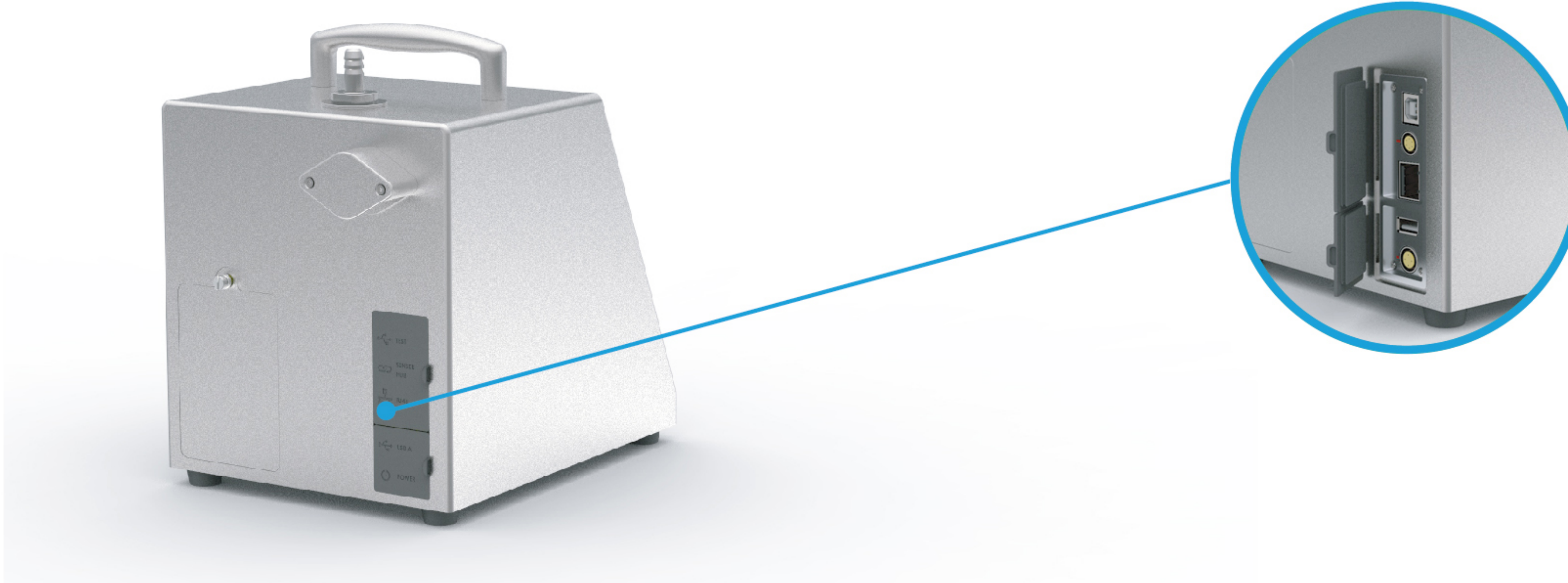
• Sampling

- Real-time concentration curves, to get a better understanding of environmental particle condition.
- Quick editing function, to make sampling more flexible.



- 8" capacitive touch screen
- Quick response with latex gloves
- Response time <math>< 0.5s</math>

- WxHxD: 204x254x263mm
- 13.45lbs/6.1Kg (without battery)



Dust Prevention

- Sealed 316L stainless steel enclosure and dust plug to prohibit dust and water
- Joint width of less than 0.1mm

Specification Sheet

Specification	Airborne Particle Counter APC	Specification	Airborne Particle Counter APC	
Flow rate	A110: 100LPM±3%	Sampling time	Manual, auto, cumulative count Σ / differential count Δ or concentration	
	A120: 50LPM±3%		Sampling time	1 second to 168 hours
	A130: 28.3LPM±3%			Cycles
Size range	A110: 0.5 μ m to 25 μ m	Laser source	Long life laser	
	A120&A130: 0.3 μ m to 25 μ m	Communication	RJ45/USB/SENER-HUB/WIFI	
Size channels	A110: 0.5, 1.0, 2.0, 3.0, 5.0, 10.0 μ m	Data storage	3.5GB, \geq 5 million sample records	
	A120: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μ m	Alarm	Audible built-in alarm, external sound and light alarm	
	A130: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μ m	Display	8" LCD capacitive touch screen	
Size resolution	<15% @ 0.5 μ m (meets ISO 21501-4)	Languages	English, Chinese	
Count efficiency	A110: 50%±20% for 0.5 μ m, 100%±10% for >0.75 μ m (meets ISO 21501-4 and JIS B9921)	Data security	Authority management, authority level divided into admin, supervisor and operator	
	A120: 50%±20% for 0.3 μ m, 100%±10% for >0.45 μ m (meets ISO 21501-4 and JIS B9921)	Data reliability	Compliant with 21 CFR Part 11	
	A130: 50%±20% for 0.3 μ m, 100%±10% for >0.45 μ m (meets ISO 21501-4 and JIS B9921)	Reports	Compliant with ISO/EUGMP/CHINESEGMP	
Concentration limit	A110: >560,000 particles/ft ³ at 10% coincidence loss	Printer	Built-in thermal printer	
	A120: >840,000 particles/ft ³ at 10% coincidence loss	Enclosure	316L Stainless Steel	
	A130: >1,400,000 particles/ft ³ at 10% coincidence loss	Power	AC 100-240V, 50 Hz/60 Hz	
Zero count	<1 count/5 minutes	Battery	10.8V, 9000mAh rechargeable lithium battery, working endurance;	
Exhaust	Internal HEPA Filter (>99.997% @ 0.3 μ m)		28.3LPM: running for over 9 hours;	
Zone/Location	20,000 zones and 200,000 locations		50LPM: running for over 7 hours;	
Safety	FCC Part 15, Subpart B, EN 61010-1:2010, EN 61326-1:2013, EN 61326-2-2:2013, EN 61000-6-1:2007, EN 61000-6-3:2007 +A1, EN 60825-1:2014	Dimensions/Weight	100LPM: running for over 4 hours;	
			Warranty	2 years after activation

Ordering Information

Name	Model	Order No.	Flow rate
Airborne Particle Counter	A110	MACHA110	100LPM
Airborne Particle Counter	A120	MACHA120	50LPM
Airborne Particle Counter	A130	MACHA130	28.3LPM

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