

MICRONVIEW

Remote APC

Remote Aerosol Particle Counter



The MicronView high performance Remote Aerosol Particle Counter (Remote APC) is designed for remote monitoring in a broad range of clean environments. A 28.3 liter per minute flow rate and built-in blower support continuous and scheduled remote sampling in pharmaceutical, electronics, semiconductor, food and beverages, cosmetics, and medical device industries. Remote sampling can be scheduled through Ethernet or WIFI connection. Data can be easily retrieved through connecting to a facility management system. The Remote APC is an ISO 21501-4: 2018 compliant particle counter.

Product Features

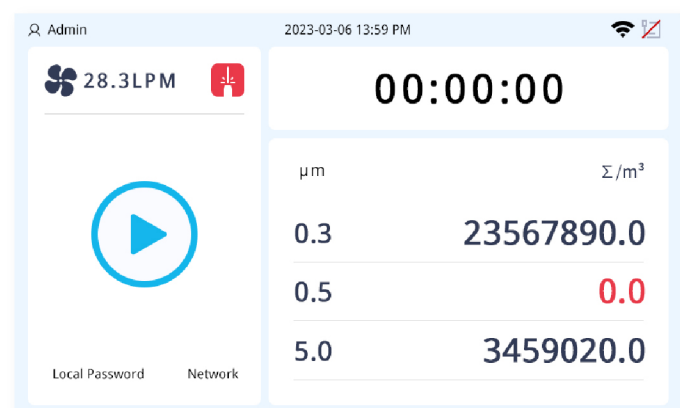
- Particle size range: 0.3 μ m - 25 μ m
- Flow rate: 28.3LPM \pm 3%
- 316L stainless steel, resistant to commonly used disinfectants
- Long life laser device with temperature control, resistant to corrosion, 10 years warranty
- Built-in high velocity blower with HEPA filtered exhaust
- Light weight (1.85kg) design fits seamlessly into cleanrooms and tight environments
- Easily integrated with facility monitoring systems or building automation systems
- Alarm light indicators for laser error, exceeding preset count limits, and an out of specification flow rate

Accurate & Reliable

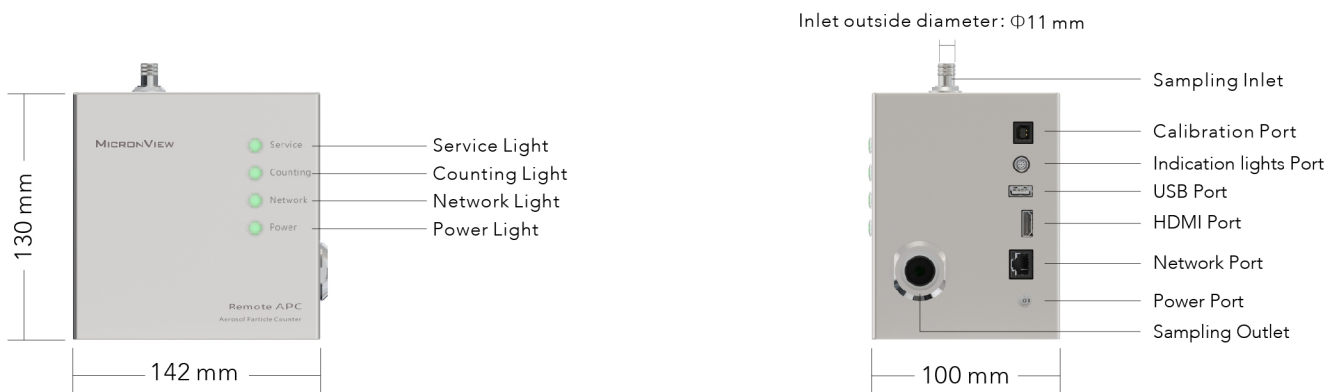
- Elimination of all paper transcription errors
- Improvements in sample integrity and accuracy of data collection
- Local visual indications of operation, stop, hardware error and networking mode
- ISO-21501-4:2018 compliant

Data & Trends

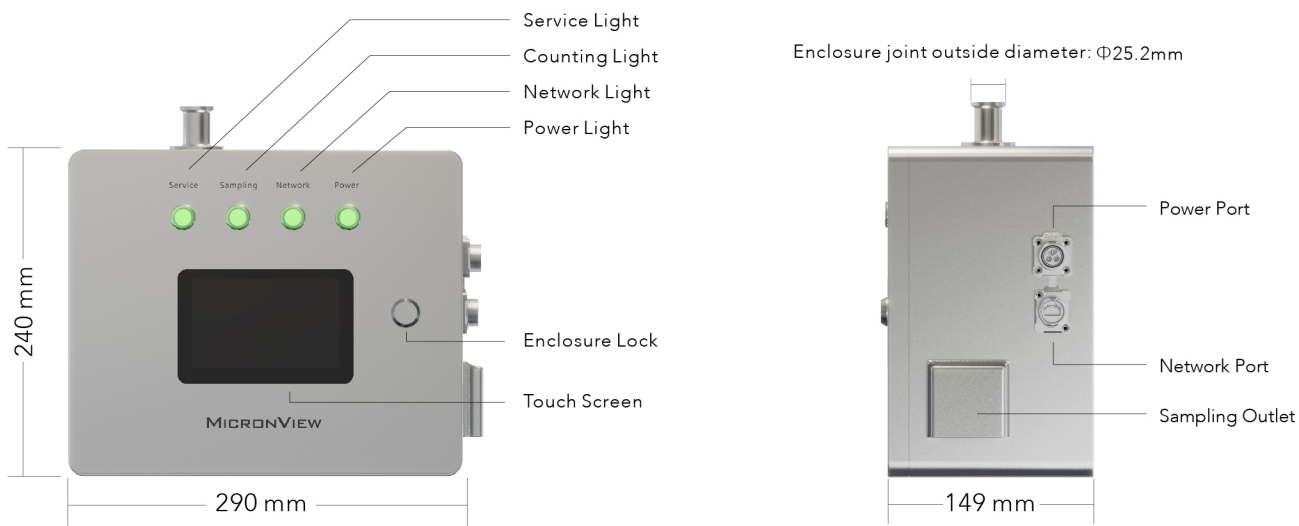
- Clear, easy to use layout
- Easy sampling scheme modification for added flexibility
- Intuitive touch screen display
- Storage of up to 15,000 sample records
- Continuous real-time data collection to support trending



Dimensions



Remote Aerosol Particle Counter



Protective Enclosure

Installation

The remote APC can be installed independently or alternatively with a protective enclosure



Protective Enclosure with screen



Protective Enclosure without screen

Specification Sheet

Specification	Remote Aerosol Particle Counter Remote APC	Specification	Remote Aerosol Particle Counter Remote APC
Flow rate	28.3LPM±3%	Dimensions	130(H) × 142(W) × 100(D)mm; 5.12(H) × 5.59(W) × 3.94(D)inches
Exhaust	>99.9996% @0.3µm (Built-in HEPA filter)	Weight	1.91kg(4.21lbs) A5101BS 1.85kg(4.08lbs) A5101B
Size channels	0.3µm, 0.5µm, 5.0µm	Material	316L stainless steel
Size resolution	R≤15% for 0.5µm (meets ISO 21501-4: 2018)	Display	Indication lights
Counting efficiency	50%±20% for 0.3µm, 100%±10% for 0.5µm (meets ISO 21501-4 and JIS B9921)	Blower	Built-in high speed blower
Maximum concentration	1,400,000 particles/ft³ @10% coincidence loss	Power	AC 100-240V to DC 24V, 50 Hz/60 Hz, 1.9A; RJ45 POE power supply
Flow feedback	PID control based on high accuracy flow rate sensor feedback, flow accuracy ±3%, settling time ≤5s	Calibration frequency	Annual calibration is recommended
Zero count	< 1count/5min	Operation conditions	5°C - 35°C; ≤95% relative humidity
Laser source	Long life laser device	Storage conditions	-10°C - 40°C; ≤98% relative humidity
Data storage	4GB, 15,000 sample records as standard, up to 5 million sample records customizable	Calibration	Meets ISO 21501-4:2018 requirements
Communication	Ethernet, WIFI	Safety	EN 61010-1: 2010, EN 61326-1: 2013, EN 61326-2-2: 2013, EN 60825-1: 2014, EN 61000-6-1:2007, EN 61000-6-3: 2007+A1, FCC Part 15, Subpart B
Alarm	Built-in buzzer, system alarm light indicator, external audible and visual alarm available		
Languages	English, Chinese		
Warranty	2 years after activation; 10 years laser warranty		

Specification Sheet

Specification	Protective Enclosure PC5101S	Protective Enclosure PC5101
Enclosure dimensions	240(H) × 290(W) × 149(D)mm; 9.45(H) × 11.42(W) × 5.87(D)inches	
Enclosure material	316L stainless steel	
Enclosure weight	4.81kg(10.60lbs)	4.42kg(9.74lbs)
Screen	5.0" capacitive touch screen	N/A

Ordering Information

Name	Model	Order No.
Remote Aerosol Particle Counter (With Screen) Remote APC (With Screen)	A5101BS*	MACHA5101BS
Remote Aerosol Particle Counter (Without Screen) Remote APC (Without Screen)	A5101B*	MACHA5101B
Protective Enclosure (With Screen)	PA5101S*	FA5101B101A
Protective Enclosure (Without Screen)	PA5101	FA5101B102A
Sampling Head	N/A	L38D000304a

* Model Name: B=Blower; S=Screen

Scientific & Environmental Monitoring Technologies



Email: sales@alphascientific.com.au
Website: www.alphascientific.com.au

Melbourne Office

Phone: (03) 9893 3972

