

Remote APC

Airborne Particle Counter - Remote



Remote APC with Touch Screen
and Blower



Remote APC with Blower



Remote APC with Protective
Enclosure

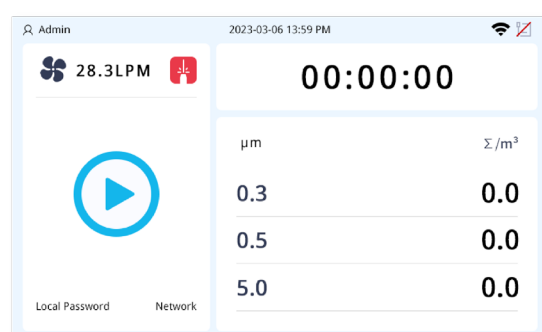
PMT's high-performance Remote Airborne Particle Counter (Remote APC) is designed for comprehensive remote monitoring across various clean environments. With a 28.3 L/min flow rate, it supports both continuous and scheduled remote sampling in industries such as pharmaceuticals, electronics, semiconductors, food and beverages, cosmetics, and medical devices. Remote sampling can be conveniently scheduled via Ethernet or WIFI connections, and data can be easily retrieved by connecting to a facility management system. The Remote APC is also ISO 21501-4: 2018 compliant, ensuring precise and reliable particle counting.

Accurate & Reliable

- Eliminates transcription errors
- Improves sample integrity and data accuracy
- Provides visual indications of current operation status, errors, and networking modes
- ISO-21501-4:2018 compliant

Data & Trends

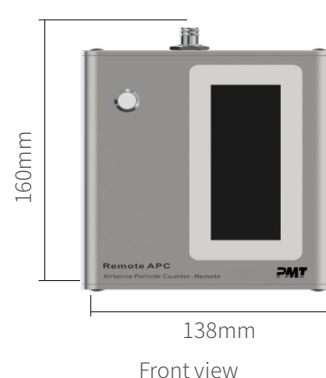
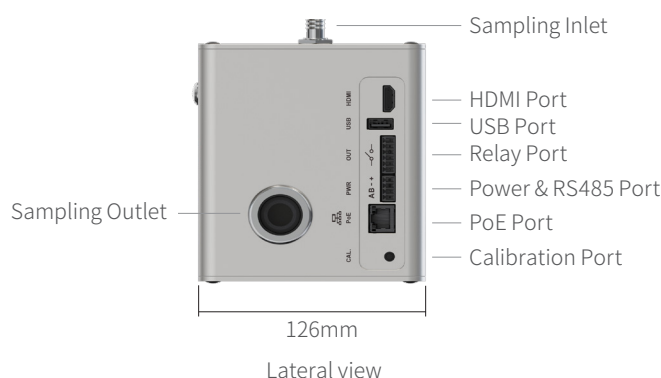
- Clear, easy to use interface
- Simple sampling scheme modification for added flexibility
- Intuitive touch screen display
- Default cache capacity of 1,000,000 sample records
- Continuous real-time data collection to support trending



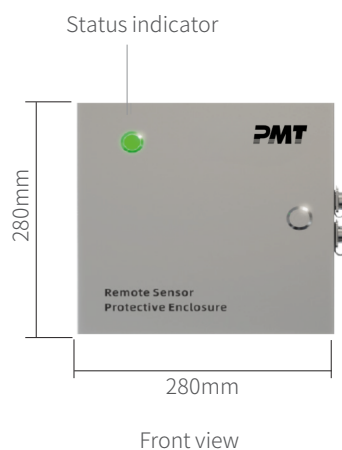
Product Dimensions

Airborne Particle Counter-Remote

Incl. Blower and Screen



Remote Sensor Protective Enclosure



Protective Enclosure Installation Mode



Remote Sensor Protective Enclosure

Specification Sheet

Specification	Airborne Particle Counter-Remote Remote APC	
	A530BS	A530B
Flow Rate	28.3 LPM±5%	
Exhaust Filtration	External HEPA Filter (>99.999% @ 0.3 μm)	
Size Range	0.3μm-25μm	
Size Channels	0.3 μm, 0.5 μm, 5.0 μm	
Size Resolution	<15% @ 0.5μm (meets ISO 21501-4)	
Count Efficiency	50%±20% for 0.3 μm, 100%±10% for >0.45 μm (meets ISO 21501-4 and JIS B9921)	
Concentration Limit	450,000 particles/ft ³ @10% coincidence loss	
Zero Count	<1count/5min	
Laser Source	Long life laser, 10-year warranty	
Data storage	4GB, with a default cache capacity of 1,000,000 datasets, which can be customized up to a maximum of 5,000,000 datasets	
Communication	RJ45, RS485, HDMI, USB	
Alarm	Visual alarm light	
Display	4" LCD capacitive touch screen and status indicator	Status indicator
Language	English, Chinese	N/A
Dimensions (HxWxD)	160×138×126 mm/6.30×5.43×4.96in	
Weight	1.60kg/3.53lbs	1.55kg/3.42lbs
Enclosure	Anodized aluminum	
Blower	Built-in high-speed blower	

Specification	Airborne Particle Counter-Remote Remote APC	
	A530BS	A530B
Power	PoE Power Supply: PoE : IEEE 802.3bt (Type 3 / PoE++, Type 4).	
	Adapter Power Supply: Input: 100–240V AC, 50/60Hz; Output: 24V DC. The output connector must be compatible with various standard interface types	
Calibration Frequency	Recommend once a year	
Calibration Standard	ISO 21501-4	
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	
Warranty	24 months (calculated from the date of product activation or six months after the date of manufacture, whichever comes first).	
Parameter	Remote Sensor Protective Enclosure	
Dimensions (WxHxD)	280×280×161 mm / 11.02×11.02×6.34 in	
Enclosure	316L stainless steel	
Weight	3.70 kg / 8.16 lbs	
Display	Status indicator	

Ordering Information

Name	Model	Order No.
Airborne Particle Counter-Remote Remote APC	A530BS	MACHA530BS
Airborne Particle Counter-Remote Remote APC	A530B	MACHA530B
Remote Sensor Protective Enclosure	N/A	U2.A502
Isokinetic probe	N/A	S1.0282

Notes:

- 1.In the model number, the letter following the number has the following meanings: B represents the model is equipped with a blower, and S represents the model is equipped with a screen.
- 2.The isokinetic probe includes the isokinetic probe itself and a dust cover.