

AeroTrak™+ Portable Airborne Particle Counters

A100 Series



Warranty

AeroTrak™+ Portable Airborne Particle Counters (APCs) are ideal for all industries for cleanroom certification, monitoring and specialized tasks including gas testing and filter scanning.

AeroTrak[™]+ Portable APCs provide the newest features data integrity (including Annex 1), communication options, and an intuitive GUI—that lead to a better customer experience and easy compliance. Standalone or as part of an easy to use complete monitoring system, AeroTrak+ Portable APCs meet your needs.

Choose Your Model

Model	Flow Rate	Channel Size Options	Recommended Manufacturing Application		
A100-31	1 CFM (28.3 LPM)	0.3 µm to 10 µm, (6) user selectable channels	Pharmaceutical, Semiconductor, Electronics, Aerospace, Optics, Automotive, Clean Manufacturing		
A100-35	1.77 CFM (50 LPM)	0.3 µm to 10 µm, (6) user selectable channels	Pharmaceutical, Medical, Manufacturing		
A100-51	1 CFM (28.3 LPM)	0.5 µm to 10 µm, (6) user selectable channels	Pharmaceutical, Semiconductor, Electronics, Aerospace, Optics, Automotive, Clean Manufacturing		
A100-55	1.77 CFM (50 LPM)	0.5 µm to 10 µm, (6) user selectable channels	Pharmaceutical, Medical, Manufacturing		
A100-50	3.5 CFM (100 LPM)	0.5 µm to 10 µm, (6) user selectable channels	Pharmaceutical, Medical, Manufacturing		
A100-(xx) A	"A" suffix adds analog input and output to any model				

Features and Benefits

- One instrument does it all- classify, monitor, filter scan, gas testing and root-cause analysis
- Highly visible status conditions LED light bar viewable 20 meters / 360°
- Access user controls for GMP compliance
- Sample the correct volume of gas with built in gas correction factors
- Automated ISO 14644-1 and GMP (EU GMP and China GMP) reporting and instrument workflow with included TrakPro[™] Lite Secure Software
- · Filter test and investigate mode (both audible and visual)
- ISO 21501-4 calibration compliance
- WiFi[®] enabled connectivity
- Industry best 5 year laser warranty
- Fit for purpose easy to clean, stainless steel housing
- Simplify integration into third party systems with 4-20 mA analog particle data output and environmental sensor input options
- Multiple instrument reporting supported by latest TrakPro[™] Lite Secure Software

Ready for Measurement. Engineered for You. Portable Particle Counters to Make Your Job Easy.

Specifications AeroTrak[™]+ Portable Airborne Particle Counters A100 Series

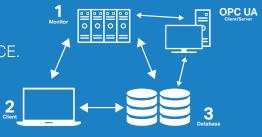
Specific Model Specifications

	ŀ	A100-31	A100-35	A100-51	A100-55	A100-50	
Size Range		0.3 μm to 10 μm 0.5 μm to 10 μm					
Flow Rate		M (28.3 LPM) 5% accuracy	1.77 CFM (50 LPM) with ± 5% accuracy	1 CFM (28.3 LPM) with ± 5% accuracy	1.77 CFM (50 LPM) with ± 5% accuracy	3.53 CFM (100 LPM) with ± 5% accuracy	
Particle Channel Sizes	(6) us	m to 10.0 µm, er selectable channels	0.3 µm to 10.0 µm, (6) user selectable channels	0.5 μm to 10.0 μm, (6) user selectable channels	0.5 µm to 10.0 µm, (6) user selectable channels	0.5 µm to 10.0 µm, (6) user selectable channels	
Size Resolution		<15% @ 0.3 µm (per ISO 21501-4)			<15% @ 0.5 μm (per ISO 21501-4)		
Counting Efficiency	50% at 0.3 μm; 100% for particles >0.45 μm			50% at 0.5 μm , 100% for particles >0.75 μm			
Concentration Limit		8,110,000/ft³ (286,383,300/m³) @ 10% coincidence loss all models					
or All Models							
ight Source /acuum Source		Laser Diode Internal pump with patented flow control		Data Storage		sample records, es of 1 second data with FMS	
vacuum Source		technology and automatic manifold		Access Control	Multilevel	user access with audit trail	
aser Warranty		detection (pate Five Years	ent pending)	Reports	Reports c	4-1, EU-GMP, China GMP. an be printed or exported XML or PDF	
strument Warran	,	Two Years		Dimensions (Hx\		8.9 in x 9.8 in x 8.7 in (22.6 cm x 25 cm x 22.2 cm)	
alibration Freque	ncy	One Year			,		
Communication		RTU Wireless Option Available		Weight	,	4.8 kg (10.5 lbs) with battery	
lear Field Commu	inication				4.3 kg (9.5	4.3 kg (9.5 lbs) without battery 5.2 kg (11.5 lbs) with two batteries	
Vireless Option					U .		
xternal Surface		Stainless steel		Power (AC Adapt		100 – 240 VAC, 50 – 60 Hz, 1.5A Max	
Analog Output Opt	tions	4 Channels 4-2 3 User selecta sizes-linear or 1 Status chann	ble particle log-scale	Mains supply voltage fluctu exceeding +/- 10% of rated DC power requirement to instrument: 24 VDC @ 5.0 A		g +/- 10% of rated voltage, requirement to	
Standards		CE, JIS B9921	, ISO 21501-4	Storage Range		-40° to 158°F (-40° to 70°C) /	
)perating Range		5% to 95% non-condensing relative l		relative hu	,		
ero Count		<1 count / 5 m 95% UCL (per	inutes at the ISO 21501-4 and JIS)	Printer	(foreign la	ermal printer nguages supported)	
ampling Duration		1 second to 24 hours, continuous		Included Access		Power cord, battery, isokinetic probe,	
anguages			n, German, Italian, Polish, banish, Chinese (Simplified) ean	3 m (10 ft) tubing, purge filt USB cable, alarm connecto Quick Start Guide, Operatio and TrakPro™ Lite Secure S		e, alarm connector. rt Guide, Operation Manual	
Status Indicator LED Lightbar)		Sampling Aler	t, Sampling Complete	Optional Access		Electronic filter scanning probe, basic f	
Alarm Output		Normal open d	ry contact rated 0 to 60 V / , 0.5 A continuous	AC/	scanning probe, additional battery, c external battery charger, printer pap isokinetic probes, sample tubing, shipping case		

NO INTERRUPTIONS. NO DATA LOSS. NO-HASSLE COMPLIANCE.

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