

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 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

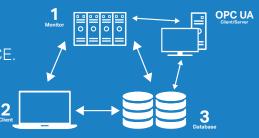
A100 Series

Ciza Danga	ļ	A100-31	A100-35		A100-51	A100		A100-50	
Size Range	1.05	0.3 µm to 10 µm				0.5 µm t			
Flow Rate		M (28.3 LPM) 5% accuracy	1.77 CFM (50 LPM) with ± 5% accuracy		M (28.3 LPM) 5% accuracy	1.77 CFM with ± 5%		3.53 CFM (100 LPM) with ± 5% accuracy	
Particle Channel Sizes	(6) us	0.3 µm to 10.0 µm, (6) user selectable channels 0.3 µm to 10.0 µm, (6) user selectable channels		(6) u	m to 10.0 µm, ser 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	50% at 0.3 μm; 100% for particles >0.45 μm			50% at 0.5 μm, 100% for particles >0.75 μm				
Concentration Limit	3,900,000 particles/ft³ (137,670,000/m³) @ 10% coincidence loss all models								
or All Models									
ight Source /acuum Source		Laser Diode Internal pump with patented flow control		ol	Data Storage		250,000 sample records, 15 minutes of 1 second data with FMS		
acuum Source			d automatic manifold de		Access Control		Multilevel u	ser access with audit trail	
		(patent pending			Reports		ISO 14644-1, EU-GMP, China GMP. Rep		
aser Warranty		Five Years Two Years One Year Ethernet (TCP/IP), USB Operator and location					can be printed or exported to secure XML or PDF		
nstrument Warrant	ty								
alibration Frequen	псу				Dimensions (HxWxD)		8.9 in x 9.8 in x 8.7 in		
Communication					Weight		(22.6 cm x 25 cm x 22.2 cm) 12.8 lbs (5.8 kg) with battery 11.8 lbs (5.4 kg) without battery		
lear Field Commur	nication								
Vireless Option		RTU Wireless C	Option Available		Power (AC Adapter)		100 – 240 VAC, 50 – 60 Hz, 1.5A Max		
xternal Surface		Stainless steel 3 Channels 4-20 mA output: 2 User selectable particle sizes-linear or log scale			i ower (/ to / tadpter)		Mains supply voltage fluctuations not		
Analog Output Opti	ions					exceeding +/- 10% of rated voltage, DC power requirement to instrument: 24 VDC @ 5.0 Amps			
		1 Status channel			Storage Range		-40° to 158°F (-40° to 70°C) /		
itandards		CE, JIS B9921,					Up to 98% non-condensing relative humidity		
Operating Range		34° to 95°F (1°	<i>/!</i>						
		5% to 95% non-condensing <1 count / 5 minutes at the 95% UCL (per ISO 21501-4 and JIS)			Printer		Built-in thermal printer (foreign languages supported)		
ero Count					Included Accessories		Power cord, battery, isokinetic probe,		
ampling Duration		4	hours, continuous		Included Access	UIES		a, battery, isokinetic probe, I tubing, purge filter, printer pap	
Sampling Duration			, German, Italian, Polish,	,			USB cable, alarm connector.		
anguages			anish, Chinese (Simplifie				Quick Start Guide, Operation Manua and TrakPro™ Lite Secure Software		
Status Indicator		capanoso, non			Optional Access	ories		filter scanning probe, basic fi	
LED Lightbar)		Sampling, Alert, Sampling Complete					scanning probe, additional battery, dual- external battery charger, printer paper,		
Alarm Output		Normal open d	ry contact rated 0 to 60 , 0.5 A continuous	V AC/			isokinetic p	probes, sample tubing, wirele le, NFC tags,	

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

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