

ApexZ

AIRBORNE PARTICLE COUNTERS




When you are looking to take your environmental monitoring program to the next level, the ApexZ is your solution. The power of the ApexZ starts with a complete system of self-diagnostics and is topped off with the most flexible data management system in the industry, all packaged in the lightest and smallest portable air particle counter on the market.

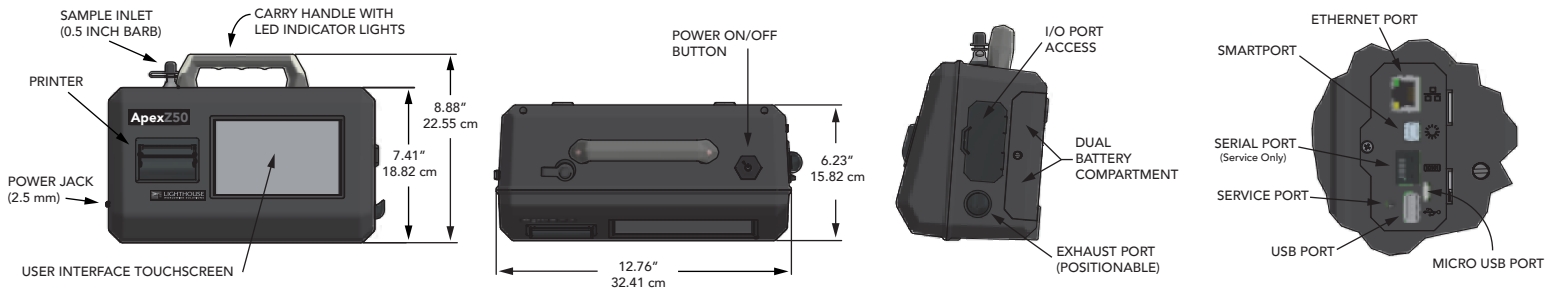
The ApexZ is the most innovative particle counter on the market and will be a timeless addition to any contamination control strategy.

F E A T U R E S

- 0.3 - 10.0 μ m or 0.5-10 μ m Particle Size Channels
- 1.0 CFM or 100 LPM Flow Rates Available
- VHP Compatible Sensor and Housing
- Sealed Chemically Compatible Enclosure
- Bi-Directional Integration into LIMS EM Systems
- Hot-Swappable Smart Batteries
- Advanced Self-Diagnostics
- 21 CFR Part 11 Compliant
- Built-In Cleanroom Certification Reports
- 2 Year Warranty



 Learn More



TECHNICAL DATASHEET

ApexZ Airborne Particle Counters

Features / Models	ApexZ3	ApexZ50
Minimum Size Detection	0.3 μm	0.5 μm
Standard 6 channel sizes	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm	0.5, 0.7, 1.0, 3.0, 5.0, 10.0 μm
Flow Rate	1.0 CFM (28.3 LPM)	100 LPM
Sample Inlet	3/8 Inch Inlet Barb	1/2 Inch Inlet Barb
Concentration Limits	1,000,000 Particles/ft ³ @10% coincidence loss suitable for ISO classes 1-8 cleanrooms	300,000 Particles/ft ³ @10% (137,200,000/m ³) Coincidence loss suitable for ISO classes 1-8 cleanrooms
Communication	Ethernet, USB standard, Wi-Fi (802.11 b/g/n)	
Data Storage Records	10,000 Records, 2500 Locations, 250 Groups, 500 Presets, 500 Sample Plans, 500 Certifications, 100 Reports, 250 Users	
Count Modes	Sample, Concentration, Beep, Custom Recipes, and Certification modes	
Printer	Embedded panel-mount printer, also available without printer; print wirelessly via a network printer	
Reports	FED 209E, ISO 14644-1:1999, ISO 14644-1:2015, & EU GMP regulatory pass/fail reports on screen or printer	
Self Diagnostics	Laser Power/Current/Supply, Flow out-of-range, No flow, PA Background/Supply/Health	
Alerts	Chemically resistant polycarbonate blend, conductive lining, VHP compatible	
Enclosure	User-configurable warnings and alarms	
Touch Screen Display	7.0 inch (8.89 cm), 1200 x 800 IPS color touch screen	
Speakers	2x adjustable up to 70 dB to indicate status and alerts	
Carry Handle	With RGB light pipe for status and alarms	
Power	External power supply: 24 VDC, 5 A max draw	
Light Source	Extreme Life Laser Diode	
Calibration	ISO 21501-4 Compliant and Accredited ISO 17025	
Zero Count Level	< 1 Count / 5 minutes (meets specifications of JIS B 9921 and reporting requirements of ISO 21501-4 Annex C)	
Dimensions	12.76" (l) x 6.23" (w) x 8.88" (h), [32.41(l) x 15.82(w) x 22.55(h) cm]	
Sample Output	Internally filtered to HEPA standards (>99.97% @ 0.3 μm); with rotatable exhaust fitting for directed flow	
Vacuum Source	Internal blower, automatic flow control	
Battery	2x Li-Ion battery slot capacity, removable and rechargeable, 8 hours nominal use, 50% duty cycle	
Temperature Humidity	35°F to 104°F (2°C to 40°C), 20% to 95% relative humidity, non-condensing	
Weight	7.05 lbs (3.19 kg) without batteries, battery weight 1.35 lbs (0.61 kg)	
Languages	English, Spanish, Portuguese, German, French, Italian, Russian, Chinese, Korean, Japanese, Turkish, Thai	
Environmental Sensors	Temperature/Relative Humidity probe: 0 to 150°F (-17.8 to 65.6°C) \pm 1.8°F (0.5°C), 0-100% \pm 2% RH	
Supporting Software	LMS Express, LMS Express RT, LMS Pharma, LMS Professional, LMS XChange	

Includes USB flash drive with lanyard, ISO probe 1 CFM (ApexZ3); 100 LPM (ApexZ50), ISP clamp, zero count filter, 24 VDC 5.0 amp power adapter and power cord, 10 feet of Beveline tubing 13/8" ID x 1/2" OD (ApexZ3); 1/2" ID x 5/8" OD BevXX (ApexZ50), 1 li-Ion smart battery included (2 battery slot capacity), 2x rolls of printer paper, USB flash drive, Calibration Certificate

Optional USB Barcode Scanner, Temperature & humidity probe, 1 CFM isokinetic sample probe, USB Wi-Fi Dongle, high-pressure diffuser (ported or vented), li-Ion batteries, Beveline tubing, external battery charger w/AC power cord, printed operators manual, carry case

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