

The state-of-the-art portable **ApexZ** elevates your environmental monitoring programs with a comprehensive set of integrated features.

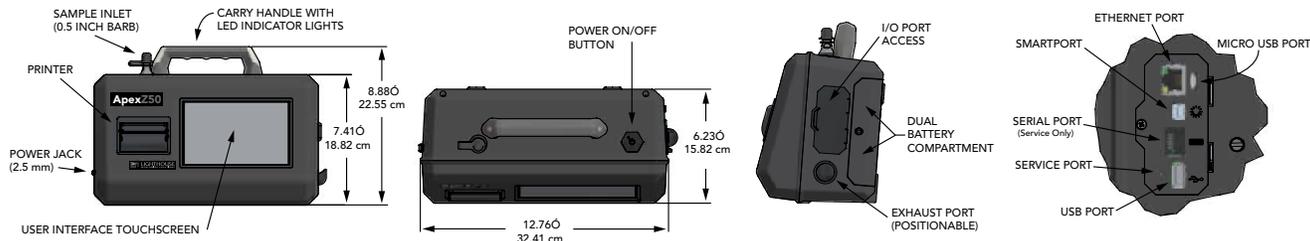
Its integrated self-diagnostics system ensures accurate, reliable performance along with a flexible data management system that streamlines analysis and reporting.

Weighing in as the lightest and smallest portable air particle counter on the market, **ApexZ** enhances mobility and multi-location recording; and its cutting-edge technology serves as a timeless solution for contamination control strategies.

## Features

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





	ApexZ3	ApexZ50
<b>Minimum Size Detection</b>	0.3µm	0.5µm
<b>Standard 6 Channel Sizes</b>	0.3µm   0.5µm   1.0µm   3.0µm   5.0µm   10.0µm	0.5µm   0.7µm   1.0µm   3.0µm   5.0µm   10.0µm
<b>Flow Rate</b>	1.0 CFM (28.3 LPM)	100 LPM (3.5 CFM)
<b>Sample Inlet</b>	3/8 inch Inlet Barb	1/2 inch Inlet Barb
<b>Concentration Limits</b>	1,000,000 Particles/ft <sup>3</sup> @10% (35,300,000/m <sup>3</sup> ) Coincidence loss suitable for ISO classes 1-8 cleanrooms	300,000 Particles/ft <sup>3</sup> @10% (10,590,000/m <sup>3</sup> ) Coincidence loss suitable for ISO classes 1-8 cleanrooms
<b>Alerts</b>	User-configurable warnings and alarms	
<b>Battery</b>	2x Li-Ion battery slot capacity, removable/rechargeable, up to 11 hours nominal use, 50% duty cycle	
<b>Calibration</b>	ISO 21501-4 Compliant and Accredited ISO 17025	
<b>Carry Handle</b>	With RGB light pipe for status and alarms	
<b>Communication</b>	Ethernet   USB standard   Wi-Fi (802.11 b/g/n)	
<b>Count Modes</b>	Sample   Concentration   Beep   Custom Recipes   and Certification modes	
<b>Data Storage Records</b>	10,000 Records   2500 Locations   250 Groups   500 Presets   500 Sample Plans   500 Certifications   100 Reports   1000 Users	
<b>Dimensions</b>	Imperial: 12.76" (l) x 6.23" (w) x 8.88" (h)   Metric: 32.41(l) x 15.82(w) x 22.55(h) cm	
<b>Enclosure</b>	Chemically resistant polycarbonate blend, conductive lining, VHP compatible	
<b>Environmental Sensors</b>	Temperature/Relative Humidity probe: 0 to 150°F (-17.8 to 65.6°C) ±1.8°F (0.5°C), 0-100% ± 2% RH	
<b>Languages</b>	English   Spanish   Portuguese   German   French   Italian   Russian   Chinese   Korean   Japanese   Turkish   Thai	
<b>Light Source</b>	Extreme Life Laser Diode	
<b>Power</b>	External power supply: 24 VDC, 5 A max draw	
<b>Printer</b>	Embedded thermal printer, also available without printer; print wirelessly via a network printer	
<b>Reports</b>	FED 209E   ISO 14644-1:1999   ISO 14644-1:2015   EU GMP 2022 regulatory pass/fail reports on screen or printer	
<b>Sample Output</b>	Internally filtered to HEPA standards (>99.97% @0.3µm); w/ rotating exhaust fitting for directed flow	
<b>Self-Diagnostics</b>	Laser Power/Current/Supply   Flow Out-of-Range   No flow   PA Background/Supply/Health	
<b>Speakers</b>	2x adjustable up to 70 dB to indicate status and alerts	
<b>Supporting Software</b>	LMS Express   LMS Express RT   LMS Pharma   LMS Professional   LMS XChange	
<b>Temperature/Humidity</b>	50°F to 104°F (10°C to 40°C), 20% to 95% relative humidity, non-condensing	
<b>Touch Screen Display</b>	7.0 inch (8.89 cm), 1200 x 800 IPS color touch screen	
<b>Vacuum Source</b>	Internal blower, automatic flow control	
<b>Weight</b>	7.05 lbs (3.19 kg) without batteries, battery weight 1.35 lbs (0.61 kg)	
<b>Zero Count Level</b>	< 1 Count / 5 minutes (meets specifications of JIS B 9921 and reporting requirements of ISO 21501-4 Annex C)	

**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, Operators Manual on 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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