

ApexPortable

AIRBORNE PARTICLE COUNTERS

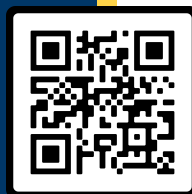


Apex Portable family of 1.0 CFM portable particle counters delivers buffered and real-time measurements to meet your unique application requirements. The stainless steel enclosure is easy to wipe down, static dissipative, and resistant to harsh cleaning agents.

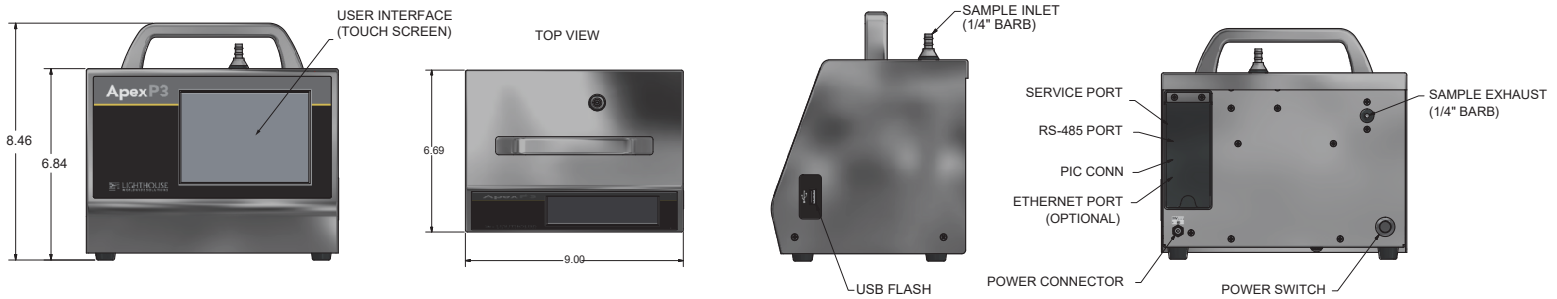
As with all Apex particle counters, you have the industry's most advanced self-diagnostics. This intelligent sensor monitors all performance metrics to ensure accurate and consistent data every time.

F E A T U R E S

- 0.3 - 10.0μm Particle Size Channels
- 1.0 CFM or 0.1 CFM Flow Rates Available
- VHP Compatible Sensor and Housing
- 3,000 Onboard Data Record Storage
- Self- Diagnostics
- Web Functionality to Monitor Data
- 5.7 inch (14.5 cm) color touch screen
- 2 Year Warranty



 Learn More



TECHNICAL DATASHEET

Apex Portable Airborne Particle Counters

Features / Models	ApexP3	ApexP5
Minimum Size Detection	0.3 μm	0.5 μm
Standard channel sizes	0.3, 0.5, 1.0, 5.0 μm	0.5, 5.0 μm
Optional channel sizes	0.3, 0.5, 5.0, 10.0 μm	0.5, 1.0, 5.0, 10.0 μm
Additional Available sizes	0.7, 3.0 μm	0.7, 3.0 μm
Flow Rate	1 CFM (28.3 LPM), 1/4" fittings	
Weight	10.9 lbs (4.76 kg)	
Concentration Limits	1,000,000 Particles/ft ³ @10% coincidence loss Suitable for ISO classes 1-8 cleanrooms	
Communication	Ethernet or Serial.	
Modbus Protocols	TCP or RTU or ASCII	
Location Labels	200 Location Labels	
Data Storage Records	3,000	
Reports	FED 209E, ISO 14644-1:1999, ISO 14644-1:2015, & EU GMP regulatory pass/fail reports on screen or printer	
Secure Data Transfer	Designed for 21 CFR part 11 Compliance	
Languages	English, Spanish, German, French, Italian, Russian, Simplified Chinese, Japanese, Korean	
Self Diagnostics	Laser power supply, laser current, laser power, photo detector power supply, background voltage, photo detector health.	
Web Server	Remote access via web browser	
Ports	Ethernet, RS485 (RJ-45), USB	
Audible Alarm	Yes	
Battery	4 hours Nominal, 3 hours continuous use	
Enclosure	304 Stainless Steel	
Power	24 VDC, 5 A Max Draw	
Vacuum Source	PID Controlled Vacuum Pump	
Air Sample Output	Internally Filtered To HEPA Standard (>99.97% @ 0.3 μm)	
Sample Count Modes	Automatic, Manual, Beep, Concentration	
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	6.00" x 6.69" x 8.46" (22.86 x 16.99 x 21.48 cm)	
Software	LMS Pro or LMS Xchange	

Included Power supply 24 VDC, power cord, iso kinetic probe, Operating Manual on USB key, carry case

Optional USB printer, additional tubing, cleanroom tripod, iso kinetic probe, LMS Express RT software

Distributed By:



Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

www.golighthouse.com
info@golighthouse.com

+1-800-945-5905
+1-541-770-5905

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