DATASHEET

ApexP portable particle counters

Lighthouse

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ApexPortalbe

AIRBORNE PARTICLE COUNTER

Discover the Apex Portable lineup: Advanced particle counters delivering real-time measurements with reliable, consistent performance.

The Apex Portable lineup of 1.0 CFM particle counters offers both buffered and real-time measurements to suit your specific application needs. These devices feature a stainless steel enclosure that's easy to clean, static dissipative, and resistant to harsh cleaning agents, making them ideal for various environments.

Like all Apex particle counters, these models incorporate advanced self-diagnostics, continuously monitoring performance metrics to guarantee accurate and consistent data with every use. This intelligent sensor technology ensures reliable results, giving you confidence in your measurements across diverse settings.

Features

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





golighthouse.com

info@golighthouse.com

LIGHTHOUSE WORLDWIDE SOLUTIONS

(Toll-free) 1 800 945 5905

(International) +1 541 770 5905

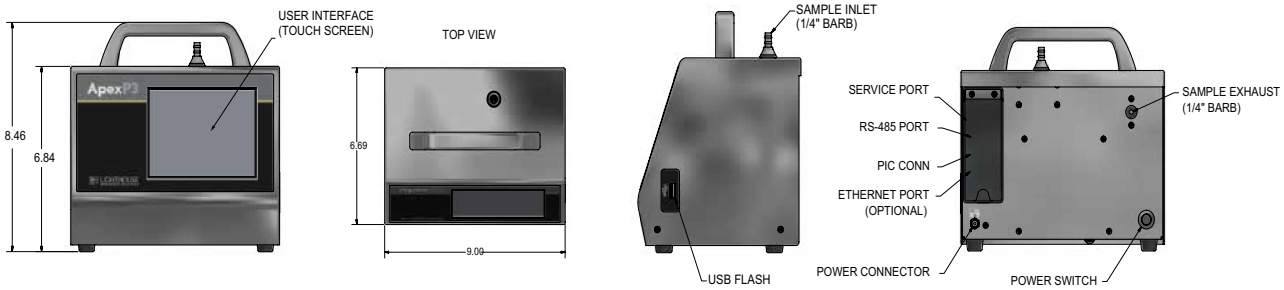
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	ApexP3	ApexP5
Minimum Size Detection	0.3µm	0.5µm
Standard Channel Sizes	0.3µm | 0.5µm | 1.0µm | 5.0µm	0.5µm | 5.0µm
Opt. Channel Sizes	0.3µm | 0.5µm | 5.0µm | 10.0µm	0.5µm | 1.0µm | 5.0µm | 10.0µm
Additional Available Sizes	0.7µm | 3.0µm	0.7µm | 3.0µm

Air Sample Output	Internally Filtered To HEPA Standard (>99.97% @ 0.3µm)
Audible Alarm	Yes
Battery	4 hours Nominal, 3 hours continuous use
Calibration	ISO 21501-4 Compliant and Accredited ISO 17025
Communication	Ethernet or Serial
Concentration Limits	1,000,000 Particles/ft3@10% coincidence loss Suitable for ISO classes 1-8 cleanrooms
Data Storage Records	3,000
Dimensions	9.00" x 6.69" x 8.46" (22.86 x 16.99 x 21.48 cm)
Enclosure	304 Stainless Steel
Flow Rate	1 CFM (28.3 LPM), 1/4" fittings
Languages	English | Spanish | German | French | Italian | Russian | Simplified Chinese | Korean | Japanese
Light Source	Extreme Life Laser Diode
Location Labels	200 Location Labels
Modbus Protocols	TCP or RTU or ASCII
Ports	Ethernet | RS485 (RJ-45) | USB
Power	24 VDC, 5 A Max Draw
Reports	FED 209E | ISO 14644-1:1999 | ISO 14644-1:2015 | EU GMP Regulatory Pass/Fail Reports on Screen or Printer
Sample Count Modes	Automatic | Manual | Beep | Concentration
Secure Data Transfer	Designed for 21 CFR part 11 Compliance
Self Diagnostics	Laser Power Supply | Laser Current | Laser Power | Photo Detector Power Supply | Background Voltage | Photo Detector Health
Supporting Software	LMS Professional | LMS XChange
Vacuum Source	PID Controlled Vacuum Pump
Web Server	Remote access via web browser
Weight	10.9 lbs (4.76 kg)
Zero Count Level	< 1 Count / 5 minutes (meets specifications of JIS B 9921 and reporting requirements of ISO 21501-4 Annex C)

Includes: Power supply 24 VDC, power cord, iso kinetic probe, Operating Manual on USB key

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

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