ApexPortable

AIRBORNE PARTICLE COUNTERS

ApexP3 family of 1.0 CFM portable particle counters deliver 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.
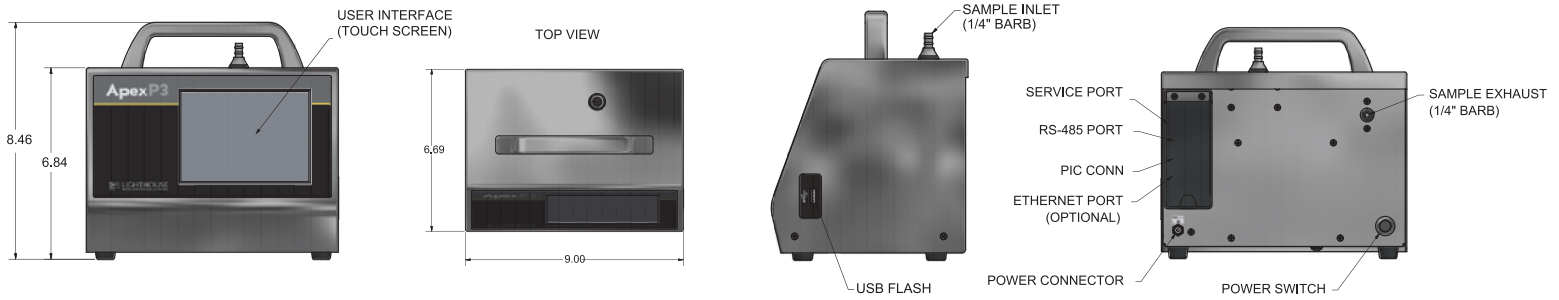
ApexP3 stores 3,000 records and 50 recipes for easy to use, error free operation. Easily transfer records to Excel, Lighthouse Monitoring Systems, Facility Monitoring Systems, Laboratory Information Management Systems, and Building Automation Systems using USB flash drive, integrated RS-485 Modbus, or Ethernet interface. ApexP3 also has a built in web server for remote data retrieval and monitoring.

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.

FEATURES

- 0.3 – 10.0 µm Particle Size Range

- 1.0 CFM (28.3 LPM) Flow Rate

- Large 5.7 Inch (14.5 cm) Color Touch Screen Display

- 3,000 Record Data Storage

- Self-Diagnostics

- Web Server

LIGHTHOUSE
WORLDWIDE SOLUTIONS

USER INTERFACE (TOUCH SCREEN)

TOP VIEW

8.46
6.84

6.69

9.00

SAMPLE INLET (1/4" BARB)

SERVICE PORT

RS-485 PORT

PIC CONN

ETHERNET PORT (OPTIONAL)

USB FLASH

POWER CONNECTOR

SAMPLE EXHAUST (1/4" BARB)

POWER SWITCH

T E C H N I C A L   D A T A S H E E T

Apex Portable Airborne Particle Counters

Features	P3	P5
Minimum Size Detection	0.3 µm	0.5 µm
Standard 2 channel sizes	0.3, 0.5, µm	0.5, 5.0 µm
Optional 4 channel sizes	0.3, 0.5, 1.0, 5.0 µm	0.5, 1.0, 5.0, 10.0 µm
Additional Available sizes	0.3, 0.5, 0.7, 1.0, 3.0, 5.0 µm	0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0 µm

Flow Rate	1 CFM (28.3 LPM)
Communication	Ethernet and Serial
Modbus Protocols	TCP, RTU and ASCII
Ports	Ethernet, RS485 (RJ-45), USB
Touch Screen Display	5.7 inch (14.5 cm) color touch screen
Data Storage Records	3,000
Location Labels	200
Self Diagnostics	Yes
Web Server	Yes
Audible Alarm	Yes
Reports	ISO 14644-1, EU GMP Annex 1, FS-209E
Secure Data Transfer	Designed for 21 CFR Part 11 compliance
Languages	English, Spanish, German, French, Italian, Russian, Simplified Chinese, Japanese, Korean
Dimensions	9.00 x 6.69 x 8.46" (22.86 x 16.99 x 21.48 cm)
Weight	10.9 lbs (4.76 kg)
Enclosure	304 stainless steel
Power	24 VDC, 5 amp max draw
Battery	4 hrs nominal, 3 hrs continuous
Vacuum Source	PID controlled vacuum pump
Air Sample Output	Internally filtered to HEPA standard (>99.97% @ 0.3µm)
Sample Count Modes	Automatic, manual, beep, concentration
Calibration	Designed for ISO 21501-4 compliance, annual calibration
Light Source	Laser diode
Zero Count Level	<1 count / 5 minutes per ISO 21501-4
Concentration Limits	500,000 particles/ft^3 (17,150,000/m^3) @ 5% coincidence loss suitable for ISO classes 1–8 cleanrooms
Counting Efficiency	50% @ minimum channel size, 100% for particles >1.5X-2X first channel particle size

Options

Software	LMS Express, LMS Express RT, LMS Pharma
Printer	USB Printer

MADE IN USA

Call: 1300 306 002   www.laftech.com.au

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ISO 9001   www.intlcert.com

NATA Accredited Laboratory

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