

# ApexPortable

## AIRBORNE PARTICLE COUNTERS

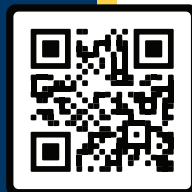


**A**pex Portable family of 1.0 CFM portable particle counters delivers buffered and real-time measurements to meet your unique application requirements. The stainless steel enclosure is easy to wipe down, static dissipative, and resistant to harsh cleaning agents.

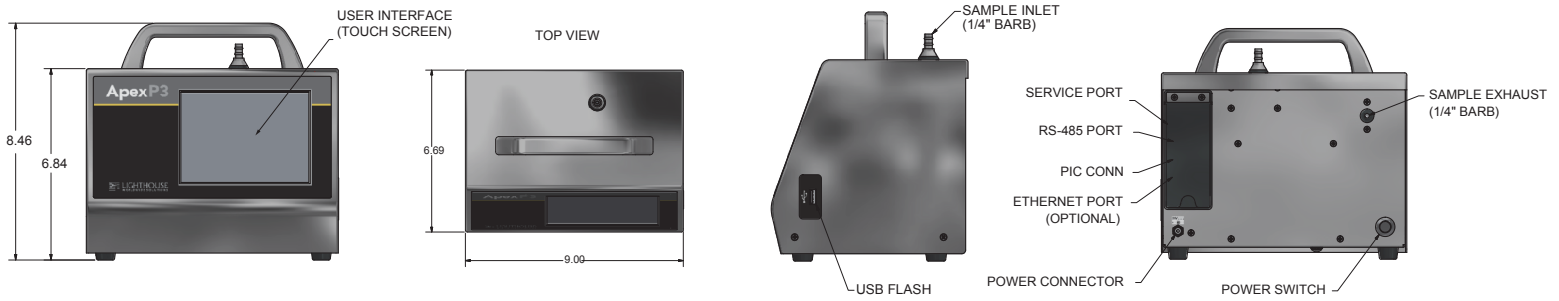
As with all Apex particle counters, you have the industry's most advanced self-diagnostics. This intelligent sensor monitors all performance metrics to ensure accurate and consistent data every time.

### F E A T U R E S

- 0.3 - 10.0μm Particle Size Channels
- 1.0 CFM Flow Rate
- 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



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T E C H N I C A L   D A T A S H E E T

## 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 <sup>3</sup> @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% @ 0.3µm)                                                                  |                        |
| 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                 | 9.00" 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

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

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