Lasair® Pro

Aerosol Particle Counter

Designed for intuitive and reliable portable particle counting

Meets the latest data integrity requirements

Without measurement there is no control

Incorporating 45 years of particle counting experience, the Lasair® Pro Aerosol Particle Counter is designed with the latest technology to meet global requirements for data integrity.

The touchscreen's simple menu options facilitate logical navigation, and the instrument status is rapidly communicated through the color screen display.

The exterior makes cleaning quick and easy and is compatible with a variety of disinfectants.

Sampling can be remotely managed over Ethernet, and all collected data meets 21 CFR Part 11 compliance regulations.

This particle counter is the ideal product to conduct cleanroom certifications to meet global standards or it can be used for routine monitoring needs.

BENEFITS

- Portable, continuous operation
- Easy to clean polycarbonate exterior
- Reduced operator errors with pre-set recipes
- Unlimited users and recipes configurable with NFC access cards
- Long-term data archive with DataAnalyst software
- VHP-resistant enclosure and HEPA-filtered exhaust
- Audit trail meets latest data integrity requirements
- Comprehensive validation manual (optional)

FEATURES

- 8.4-inch SVGA color touchscreen compatible with gloves
- 21 CFR Part 11 compliant audit trail with 20,000 recorded activities
- Up to 100 configurable users with three (3) privilege groups (administrator, supervisor, operator)
- Up to 1,000 configurable locations organized by area, room, and location hierarchy
- Up to 100 configurable recipes
- Rechargable lithium ion batteries for portable use
- Optional thermal printer

APPLICATIONS

- Cleanroom monitoring
- Facility certification for ISO 14644-1:2015, EU GMP, China GMP, FS 209E
- Trend analysis
- Statistical process control
- Troubleshooting particle excursions
- Manifold compatible
- Portable or dedicated use

PARTICLE MEASURING SYSTEMS®
a spectris company

MODEL	310	350	5100
Size Range	0.3 - 25.0 µm	0.3 - 25.0 µm	0.5 - 25.0 µm
Flow Rate	28.3 LPM (1.0 CFM) ±5%	50 LPM ±5%	100 LPM ±5%
Zero Count	< 7.07 counts / m³	< 4.00 counts / m³	< 2.00 counts / m³
Maximum concentration[1]	> 42,924,662 / m³	> 28,209,736 / m³	> 21,354,726 / m³
Channels	Up to 8 configurable channels. Optional 2-channel pharmaceutical mode.		
Counting Efficiency	50% ± 20% for most sensitive channel. ISO 21501-4:2018 compliant.		
Tubing Length	Maximum 8 meters		
Compressed Gas	Air (CDA), argon (Ar), nitrogen (N), and carbon dioxide (CO_2). Requires HPD III accessory.		
Display and Printer	8.4-inch color SVGA display, p-cap with finger swipe and gesture control Optional built-in thermal printer with paper cutter. Supports cleanroom paper.		
Exterior Surface	Polycarbonate (PC)		
Data Storage	10,000 complete data sets. Data cannot be altered and meets 21 CFR Part 11 compliance.		
Reporting	Encrypted PDF, cleanroom monitoring and certification for ISO 14644-1, EU GMP, China GMP, and FS209E		
Remote Operation	Real-time download to Facility Net, Pharmaceutical Net Pro, FacilityPro® SMART NG, or FacilityPro SCADA NG software, USB download, automatic clock adjustment with NTP server		
Communications	Ethernet, USB data download, NFC tag for user login and sample recipe configuration		
Input/Output	Four 4-20 mA inputs (<0.5% of Span), four 4-20 mA outputs (<1.0% Span), one 5V pulse output		
Status/Alarm Output	24 VDC, 1 A maximum		
Operating Environment	Temperature: 0 - 32 °C (32 - 89.6 °F) Humidity: 5 - 95% RH non-condensing		
External Dimensions	24.6 x 25.7 x 25.6 cm (9.7 x 10.1 x 10.1 in)		
Weight	6.4 kg (14.2 lb) with two optional batteries 5.4 kg (11.9 lb) without batteries		
Power	100 - 240 V, 50-60 Hz, 2.5 A. Up to two rechargeable Li-ion batteries.		
Laser Classification	Class 1, complies with US 21 CFR 1040.10 and EN60825-1. An internal Class 4 laser is used per EN60825-1.		
Calibration	Meets ISO 21501-4:2018 requirements. Optional ISO 17025 compliance available.		

1   *Less than 10% coincidence loss at maximum recommended concentration.*

SOLUTIONS FOR YOUR INDUSTRY
Scan to learn more about our products!

HEADQUARTERS

5475 Airport Blvd
Boulder, Colorado 80301 USA
T: +1 303 443 7100, +1 800 238 1801

Instrument Service & Support
T: +1 800 557 6363

Customer Response Center
T: +1 877 475 3317
E: info@pmeasuring.com

www.pmeasuring.com
info@pmeasuring.com

PARTICLE MEASURING SYSTEMS®
a spectris *company*

GLOBAL OFFICES

AUSTRIA
T: +43 512 390 500
E: pmsaustria@pmeasuring.com

BENELUX
T: +32 10 23 71 56
E: pmsbelgium@pmeasuring.com

BRAZIL
T: +55 11 5188 8227
E: pmsbrazil@pmeasuring.com

CHINA
T: +86 21 6113 3600
E: pmschina@pmeasuring.com

FRANCE
T: 33(0)1 60 10 32 96
E: pmsfrance@pmeasuring.com

GERMANY
T: +49 6151 6671 632
E: pmsgermany@pmeasuring.com

ITALY
T: +39 06 9053 0130
E: pmssrl@pmeasuring.com

JAPAN
T: +81 3 5298 8175
E: pmsjapan@pmeasuring.com

KOREA
T: +82 31 286 5790
E: pmskorea@pmeasuring.com

MEXICO
T: +52 55 2271 5106
E: pmsmexico@pmeasuring.com

NORDIC
T: +45 707 028 55
E: pmsnordic@pmeasuring.com

PUERTO RICO
T: +1 787 718 9096
E: pmspuertorico@pmeasuring.com

SINGAPORE
T: +65 6496 0330
E: pmssingapore@pmeasuring.com

SWITZERLAND
T: +41 71 987 01 01
E: pmsswitzerland@pmeasuring.com

TAIWAN
T: 886-3-5525300 Ext: 301
E: pmstaiwan@pmeasuring.com