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Find the *Particle Measuring Systems Lasair 510* at our website: *Click HERE*

LASAIR® Aerosol Particle Counter

LASAIR aerosol particle counters are known for their high reliability, long life and minimal maintenance requirements. The LASAIR particle counter is offered in a variety of models providing a wide range of flow rates and sizing channels.

BENEFITS:

- Provides real-time data on particle contamination
- Can be used as a stand-alone particle counter, manifold system, or part of a facility monitoring system
- Low flow units can count particles in extremely dirty environments
- Sample inside of small enclosures, such as hard disk drives
- System includes RS-232 and RS-485 communications, selectable alarming function, optional external thermal printer, and internal HEPA filtered exhaust air
- Manifold option for multi-point particle sampling
- Built-in screen displays data in tabular and histogram formats
- Facility Net data management system for comprehensive data storage, management, reports and alarms
- High sensitivity measurements for meeting the most stringent applications for particle counting
- Passive cavity system provides increased dependability and reduced maintenance
- Stable design for reliable transport to various locations
- Automated sampling reduces manpower



FEATURES:

- Ultra low sample flow rates from 0.018 to 2.8 LPM
- Maximum particle concentrations as high as 320,000,000/ft^3
- Particle sizing sensitivities from 0.1-2.0 microns
- 8 particle sizing channels
- Patented passive cavity design
- Highest signal-to-noise ratios
- Nickel plated exterior
- Internally filtered cabinet cooling air
- Optional external printer

APPLICATIONS:

- Cleanroom particle monitoring
- Facility certification
- Particle trending analysis
- Statistical process control
- Troubleshooting
- Process gas particle monitoring
- Internal measurements of hard disk drive particle levels
- Atmospheric particle monitoring

Laser Airborne Particle Counter: The LASAIR optical particle counters are specifically designed for contamination monitoring in cleanroom facilities. This complete line of aerosol instruments operates using a passive laser cavity and sample flow cell as an integral assembly easily removed for servicing. Minimum sizing thresholds are available at 0.1, 0.2, 0.3, and 0.5 microns at sample flow rates from 0.002 to 1 CFM. The variable flow rates allow for sampling HEPA filters, certifying cleanrooms and disk drive testing. An Aerosol Manifold can be configured to work with the LASAIR counter to allow for particle sampling of multiple locations within a cleanroom in an efficient manner. The LASAIR particle counter is able to record critical contamination trends as well as short term bursts and will display this data in a time series histogram. Automatic sampling can be programmed into the system.

Particle Measuring Systems Airborne Particle Monitors

Model	Sensitivity	Flow Rate
LASAIR-110	0.1	1.0 CFM
LASAIR-1510	0.15	1.0 CFM
LASAIR-210	0.2	1.0 CFM
LASAIR-310	0.3	1.0 CFM
LASAIR-510	0.5	1.0 CFM
LASAIR-101	0.1	0.1 CFM
LASAIR-1001	0.1	0.01 CFM
LASAIR-1002	0.1	0.002 CFM
LASAIR-1003	0.1	0.001 CFM
LASAIR-1004	0.1	0.3 CC/SEC
MicroLPC-HS	0.05	0.1 CFM
MicroLPC-0710	0.07	1.0 CFM
MicroLPC-110 Turbo	0.1	1.0 CFM
miniLAZ-310	0.3	1.0 CFM
miniLAZ-325	0.3	1.0 CFM
miniLAZ-510	0.5	1.0 CFM
miniLAZ-525	0.5	1.0 CFM

Particle Measuring Systems Airborne Particle Sensors

Model	Sensitivity	Flow Rate
LPS-A-110	0.1	1.0 CFM
LPS-A-110LN	0.1	1.0 CFM
LPS-A-210	0.2	1.0 CFM
LPS-A-310	0.3	1.0 CFM
LPS-A-510	0.5	1.0 CFM
LPS-C-201	0.2	0.1 CFM
LPS-C-301	0.3	0.1 CFM
LPS-C-501	0.5	0.1 CFM
LPS-C-210	0.2	1.0 CFM
LPS-C-310	0.3	1.0 CFM
LPS-C-510	0.5	1.0 CFM
Airnet-201	0.2	0.1 CFM
Airnet-301	0.3	0.1 CFM
Airnet-310	0.3	1.0 CFM
Airnet-510	0.5	1.0 CFM

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Apnote No. 5 - 10/97

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