

Model 212

AMBIENT PARTICULATE PROFILER

Ambient profiling of aerosol particulates has been simplified by the Met One Instruments, Inc. Model 212 Ambient Particulate Profiler. The 212 sizes and counts particles in eight digital bins and reports the information on command. Each of the eight channels may be field configured to customer requirements.

A Remarkably Flexible, Higher Performance Instrument Featuring:

- Eight Real-Time Channels
- Self-Contained
- Low-Power
- Low-Cost
- 0.3 μ m to 10 μ m (typical) Range
- Simple Operation
- Weatherproof Package
- Sheath Air Technology

HOW IT WORKS

Using a laser-diode-based optical sensor, the 212 uses light scatter technology to detect, size, and count particles. This measured information is output as particles per size range.

INSTALLATION

Installation is quick and easy for the 212 particle counter. It can be mounted on a tripod or pole, wall-mounted, or bench-mounted. With its rugged, weatherproof enclosure, one can install the 212 in most outdoor environments. Data is calculated every sample period and downloaded through the serial cable. The



Measurement Principle	Optical, Light-Scatter Using a Laser Diode
Flow Rate	1.0 LPM
Measuring Ranges	0.3 µm to 10 µm (eight selectable sizes)
Concentration	0-9,000,000 Particles per cubic ft.
Sample Flow Rate	1 LPM
Sample Interval	1 - 3600 seconds (1 hour)
Accuracy	+/- 10% to calibration aerosol
Communication	RS232 Output; RS422 or RS485 available as special order
Power	12 VDC 240 mA maximum; Inlet Heater, additional 750 mA
Temperature	
Operating	0 to +50 Degrees Celsius
Storage	-20 to +60 Degrees Celsius
Physical	3 lb (1.2 kg)
Weight:	Diameter 4.0 in, Length 7.5 in + 12" for inlet tube
Size:	Real-time datalogging
Software Included	



APPLICATIONS INCLUDE:

- Air Quality Surveys
- Emissions Sampling
- Work Place Monitoring
- Ambient Monitoring
- Remote Monitoring

Specifications are subject to change at any time.

