

OEM Particulate Engines

Seamless Integration for Environmental Monitoring Needs



Partner in air quality innovation

Met One Instruments Powered by Acoem has set the benchmark in air quality monitoring with its proven regulatory compliance solutions. But did you know that many of the core particulate sensors within our monitors are available as OEM solutions, designed for effortless integration into larger systems?

Our OEM particulate engines are crafted to meet the demands of System Integrators, Educational Institutions, and Research Studies looking for reliable, accurate, and flexible solutions. Whether for environmental monitoring, smart city solutions, or advanced research projects, our sensors empower you to create comprehensive systems with unparalleled data accuracy.

Expanding horizons: The OEM advantage

As industries evolve towards multi-parameter monitoring solutions, there is an increasing demand for integrated systems that combine gas detection, meteorological data, and particulate measurement. Met One's particulate sensors are the perfect addition to these systems, offering robust performance and seamless integration.

Our OEM Solutions in Action

Our OEM particulate engines are trusted by leading organizations around the world. They have been integrated into a variety of systems, from environmental monitoring networks to advanced research platforms.

Popular OEM Engines:



AQ Profiler

Offers particle count or mass measurement with high customizability, ideal for both indoor and outdoor applications.

9722-1 Particle Counter

Delivers robust particle counting capabilities with flexible data communication options.

82850 Nephelometer

Measures particle mass concentration effectively, perfect for outdoor and environmental monitoring.



Precision engineering for versatile applications

Our OEM particulate engines are meticulously designed to provide accurate real-time monitoring of particle concentration and size. These sensors are equipped to handle a diverse range of applications and environments, making them an ideal choice for integrators looking to enhance their platforms.

Key features

Versatile measurement capabilities

Measure particle mass or size with responses ranging from 0.1 μm to TSP.

Advanced light sources

Choose between LED and laser diode light sources for stable, reliable data.

Flexible output options

Available with single-channel or multiple simultaneous outputs, tailored to your needs.

Compact & cost-efficient

Small form factor and low power consumption, ideal for integration into compact systems.

Adaptive flow systems

Options range from single fans to volumetrically controlled rotary vane pumps with sheath air.

Benefits

Effortless integration

Designed for seamless incorporation into larger systems, minimizing engineering time and cost.

Scalable solutions

From simple low-cost analog samplers to advanced systems with auto-zero, auto-span, and digital readouts.

Proven reliability

Trusted by industry leaders for accurate and consistent performance across various applications.

Ready to Integrate? Let's Get Started!

Customizing and finalizing an OEM solution for your application can be a complex process, but our expert team is here to help make it simple. Whether you're exploring options for particle counters or nephelometers, we provide tailored guidance to ensure you select the best fit for your needs.

Key Considerations

Particle Counter or Nephelometer?

Identify your measurement requirements.

Output & Data Communication

Choose between analog or RS-232 outputs based on your system design.

Flow Control Options

Discuss whether integrated pumps and flow meters are necessary for your application.

Sample Environment & Operating Conditions

Provide details on environmental factors to ensure optimal sensor performance.

Let's Collaborate

Reach out to our Met One Instruments Powered by Acoem team for personalized support and to discuss your specific OEM integration needs. We're committed to providing you with the tools and expertise to help you succeed in every project.

Contact us today!



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