Aerodynamic Particle Sizer® Spectrometer

Model 3321
The way to determine a particle's true airborne behavior is to measure its aerodynamic diameter.

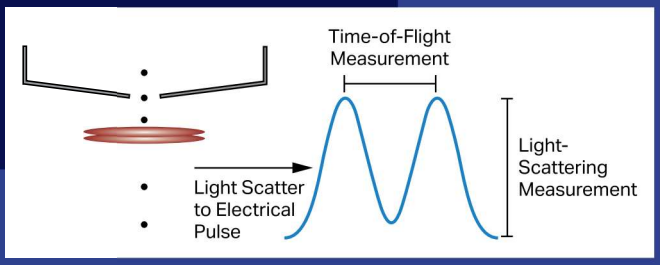
Aerodynamic measurements account for differences in particle size, shape, and density. This is crucial when determining if a particle will penetrate a filter, be removed by a collecting device, or be deposited in the lung. The Aerodynamic Particle Sizer® (APS™) spectrometer has been used successfully for over 30 years in laboratory and field applications to provide high-resolution, real-time aerodynamic measurements in the range from 0.5 to 20 µm. It also measures side light-scattering intensity in the equivalent optical size range of 0.37 to 20 µm. By providing paired data for each particle, the APS™ opens up exciting new possibilities for aerosol scientists interested in studying the shape and other characteristics of an aerosol.

The model 3321 APS™ spectrometer uses a patented, double-crest optical system for unmatched sizing accuracy. It also includes an optimized nozzle configuration and fast signal processing. The result is greater small-particle sizing efficiency, improved accuracy of mass-weighted distributions, and near elimination of false background counts. The Aerosol Instrument Manager® software provides advanced data-handling capabilities.

The 3321 has a large screen and indicator lights as well as an easy-to-use navigation wheel for simple user operation.

Applications

- Atmospheric Monitoring for Supermicron Particles
- Air Cleaner Performance Testing
- Biological Aerosol Research
- Inhalation Toxicology



3321 APS time-of-flight measurement

APS Accessories (available separately)

Specify	Description
3302A	Aerosol Diluter
3306	Impactor Inlet