

AERODYNAMIC PARTICLE SIZER (APS) SPECTROMETER 3321

SKU: 3321

The only one of its kind available on the market, the TSI Aerodynamic Particle Sizer (APS) spectrometer measures the aerodynamic size of particles from 0.5 to 20 microns. Time-of-flight aerodynamic sizing determines the particle's behavior while airborne and is unaffected by index of refraction or Mie scattering.

While cascade impactors also size particles by their aerodynamic diameter, the APS offers high size resolution, one-second sampling, and real-time size distributions. Suitable for a variety of applications—inhalation toxicology, air monitoring, and drug delivery, plus many others—the APS continues to be used in new and interesting ways.



PRODUCT DETAILS

The Aerodynamic Particle Sizer® 3321 (APS™) spectrometer provides high-resolution, real-time aerodynamic measurements of particles from 0.5 to 20 microns. These unique particle sizers also measures light-scattering intensity in the equivalent optical size range of 0.37 to 20 microns. By providing paired data for each particle, the APS spectrometer opens up exciting new possibilities for those interested in studying the makeup of an aerosol.

The APS spectrometer uses a patented, double-crest optical system for unmatched sizing accuracy. It also includes a redesigned nozzle configuration and improved signal processing. The result is greater small-particle sizing efficiency, improved accuracy of mass-weighted distributions, and virtual elimination of false background counts.

APPLICATIONS

- Inhalation toxicology
- Drug delivery studies
- Atmospheric studies
- Ambient air monitoring
- Indoor air-quality testing
- Filter and air-cleaner testing
- Test-aerosol characterization
- Powder sizing

INCLUDED ITEMS

- Aerosol Instrument Manager® software

FEATURES & BENEFITS

- Double-crest optics produce high-quality measurements
- Measures light-scattering intensity from 0.37 to 20 µm
- Measures aerodynamic particle size from 0.5 to 20 µm