

# Laser Aerosol Spectrometer

## Model 3340A

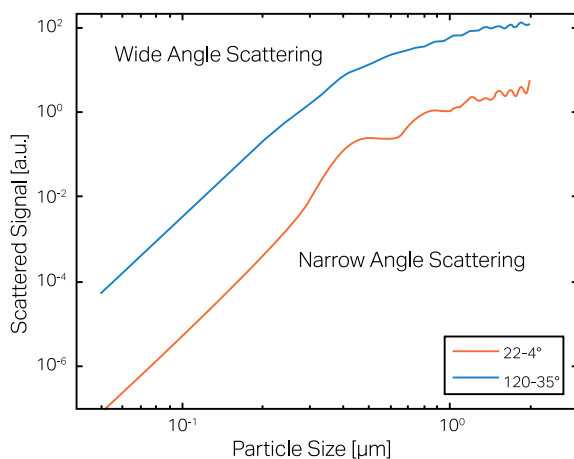
High-resolution optical particle sizing down to 90 nm.

TSI's Laser Aerosol Spectrometer (LAS) 3340A is a high-sensitivity, high-resolution optical particle sizer. This "turn on and measure" instrument allows users to easily measure particle size distributions from 0.09 (90 nm) to 7.5  $\mu\text{m}$  in 100 user-configurable size channels in seconds. The patented intracavity laser and advanced optics overcome the limitations of conventional optical particle counters, and enhance the resolution and sensitivity of detection.

The 3340A is an essential tool to have for monitoring your filters or your processes, measuring in a lab, or sampling on field campaigns. The Laser Aerosol Spectrometer has become a de facto standard in air cleaner testing for Clean Air Delivery Rate (CADR).

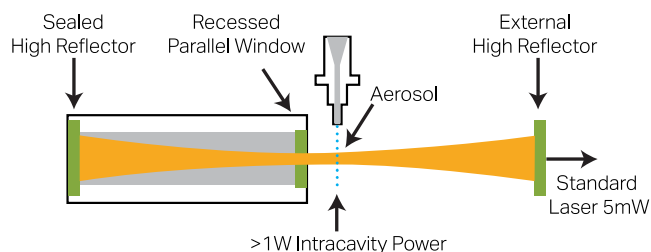


Monotonic Intensity Response



The 3340A uses a wide angle light collection to get a monotonic response over a wide range of particle sizes.

Patented IntraCavity Laser



The Laser Aerosol Spectrometer uses a He-Ne laser with a novel intracavity laser design to achieve higher light scattering sensitivity at a lower laser power.