

Evaluation of Physical Properties of Air-Borne Granules Such as Spray, Mist and Powders

AEROTRAC II – System for Measuring Particle Size Distribution

Overview

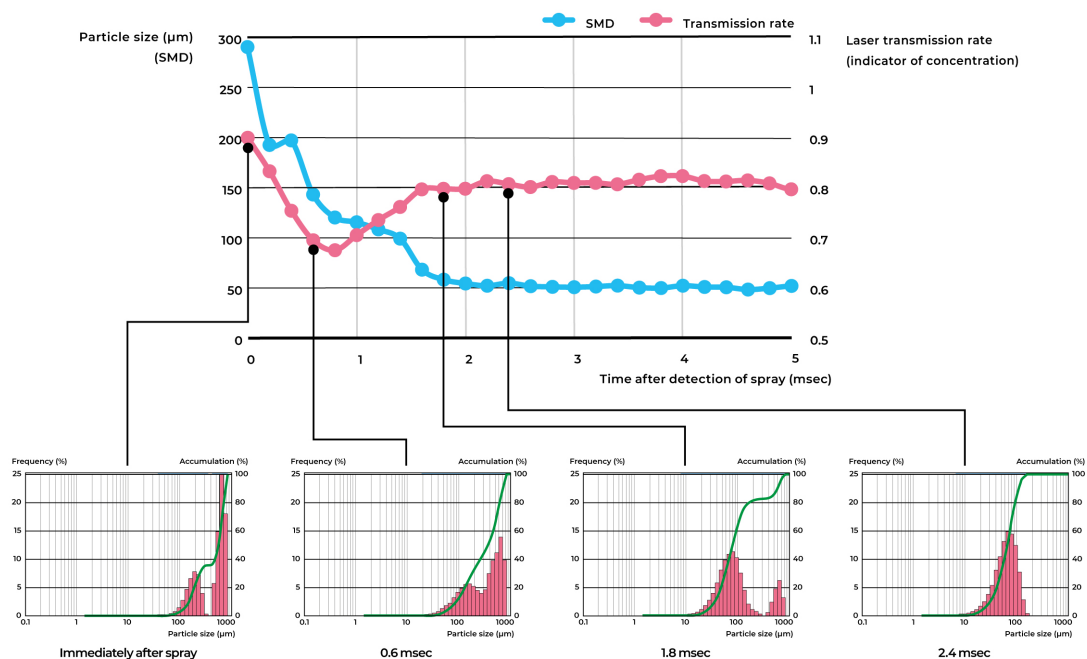
AEROTRAC II is applicable in various ways, making use of its characteristics of “open optical table” and “ultrahigh speed sampling.”

Example of measurement

■ Spray can

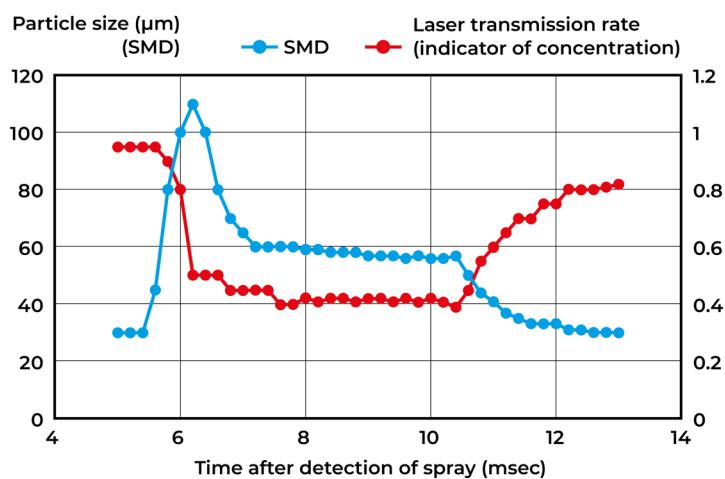
Capable of measuring changes in particle size of droplets released by nozzle at intervals of 0.2 msec. Showing the stability of the particle size 2.4 msec after detection of particles as shown in the right column of the figure given below.

● Fixation unit applicable to various spray cans



■ Injector

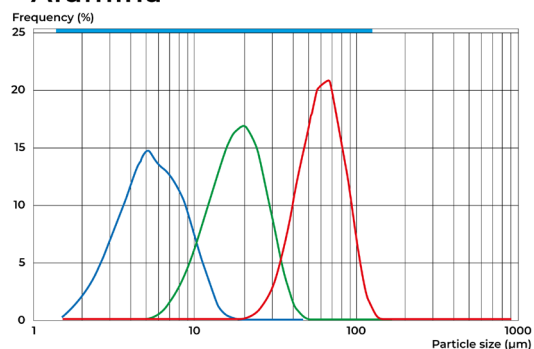
Concentration and particle size distribution of fuel droplets are measured by matching the timing of measurement to the external trigger signals, i.e. at the instance of intermittent injection.



■ Dry powder



• Alumina

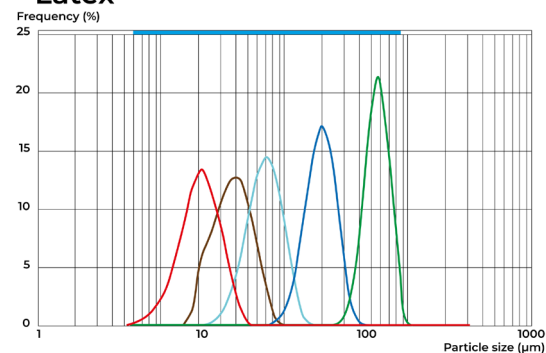


Material: No. 2, No. 4, No. 6

■ Wet batch cell



• Latex



Material: 2 μm, 4 μm, 7 μm, 20 μm, 60 μm

Specifications

Measuring principle : Laser diffraction

Measuring range : 0.5-2000 μm

100mm : 0.5-350 μm

300mm : 1.4-1000 μm

600mm : 2.8-2000 μm

Measuring interval : Spray 0.02-500 msec

Duration 1-600 sec



For further information please contact us at:

www.microtrac.com