

# PORTABLE AEROSOL GENERATOR



# OVERVIEW

The Droplet Measurement Technologies portable aerosol generator is designed for calibrating optical particle counters (OPCs). It nebulizes polystyrene latex (PSL) microspheres or other aerosol materials into a continuous flow of air, which can then be directed in to the OPC's inlet. The generator is self-contained and needs no external air supply. An internal pump provides filtered air for both the nebulizer air and the dilution air flow.

# ADVANTAGES

- » Generates PSL, salt, carbon, or other aerosols
- » Offers efficient, nebulizer-based particle generation
- » Includes four unbreakable disposable nebulizers
- » Allows users to adjust the dilution flow for the aerosol stream
- » Can generate aerosol-free carrier air using HEPA filter (included)
- » Is contained in a sturdy Pelican carrying case

# APPLICATIONS

- » Instrument testing, including leak testing
- » Instrument calibration

# SPECIFICATIONS

Technique	Nebulization of standard PSL microspheres or other materials
Aerosol Size Range	Determined by size of PSL microspheres or other materials used
Aerosol Concentration	Variable, depending on flow rate and solution concentration
Aerosol Flow Rate	1 - 7 L/min
Relative Humidity of Delivered Aerosol	Ambient relative humidity, or less with user-supplied desiccant
Air Pump Power Requirements	115 VAC 60 Hz, 1.2 A, 230 VAC 50 Hz optional

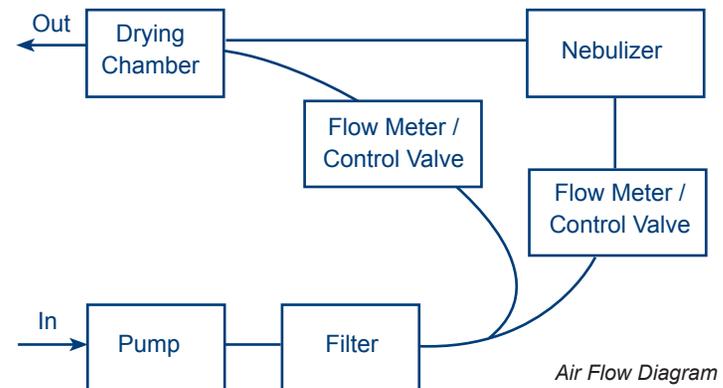


Pelican Carrying Case

# HOW IT WORKS

The system works by nebulizing a suspension of PSL microspheres or other material. This nebulized air is then mixed with dilution air before being delivered to the instrument to be calibrated.

The diagram below shows the air flow through the unit.



# INCLUDED ITEMS

- » Generator
- » Power cord
- » Four nebulizers
- » Carrying case (shown at left)
- » Operator manual
- » Email and phone technical support

# HOW TO ORDER

Contact DMT for pricing or more information:  
+1.303.440.5576,  
customer-contact@dropletmeasurement.com.