

Aerosol Particle Mass Analyzer

Model 3602 APM-II

Aerosol Particle Mass Analyzer (APM-II) classifies particles by mass based on the balance between centrifugal force and electrostatic force.

Particle size distribution measurement is normally used in order to measure nanosized particle distribution. While DMA (Differential Mobility Analyzer) classifies particles by particle size utilizing electrostatic force, APM-II classifies particles by mass based on entirely new classification principles.



- Mass distribution measurement
- Particle density research
- Monodispersal aerosol generation







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APM - II MODEL 3602

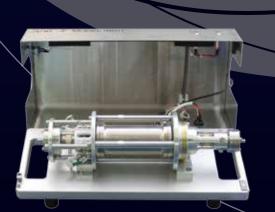


Features & Benefits

- Desktop and lightweight unit
- APM-II classifies aerosol particles of 0.01 to 100 femtograms
- Particle density distribution can be attained by combining the APM and DMA



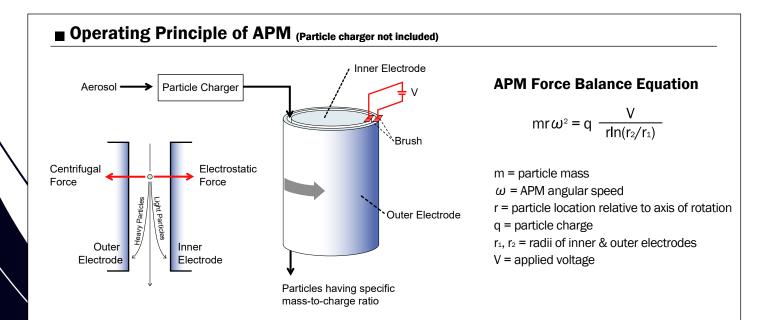
Control Unit



Rotating Cylinder Assembly

| Aerosol Particle Mass Analyzer Model3602 APM-II Specifications | |
|--|---|
| Main Unit (Classifier) | |
| Classification Method | Classification based on the balance between centrifugal force and electrostatic force |
| Particle Mass Range | Approx.0.01~100 femtograms |
| | (Equivalent to approx. 30 nm∼580 nm for particle density of 1g/cm³) |
| Rotation Speed | 1,000~14,000 rpm |
| Maximum Voltage | 0~2,000V |
| Rotation Cylinder Dimensions | Inner Cylinder Diameter : 48 mm |
| | Gap between Inner and Outer Cylinders : 1 mm |
| | Cylinder Length: 100 mm |
| Sampling Flow Rate | 0.3 L/min is recommended |
| Control Unit | |
| Control Function | Rotation Speed and Applied Voltage |
| Display Function | Applied Voltage / Rotation Speed / Differential Pressure between inlet and outlet (panel display) |
| Input / Output Function | Input : Applied Voltage Setting / Rotational Speed Setting |
| | Output : Applied Voltage / Rotational Speed / Differential Pressure between Inlet and outlet |
| Dimensions / Weight | Main Unit: 430 (W) × 200(L) × 140(H) mm (excluding projection) / approx.11kg |
| | Control Unit: 430 (W) × 350(L) × 140(H) mm (excluding projection) / approx.8kg |
| Power Supply | Single-phase AC100~240V 50/60Hz 400VA |
| What's included | Communication Cable |

Specifications are subject to change without notice.





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