

CA/GE™

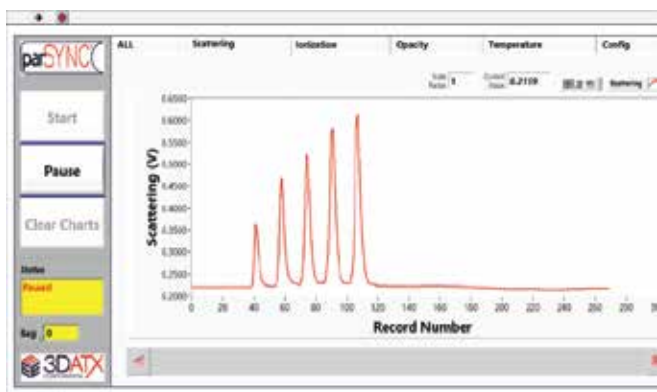
PM/PN Calibrator / Generator

Provides a portable stand alone, and automated system for enhancing both ambient and active flow particle counts, as well as providing a complete calibration process.



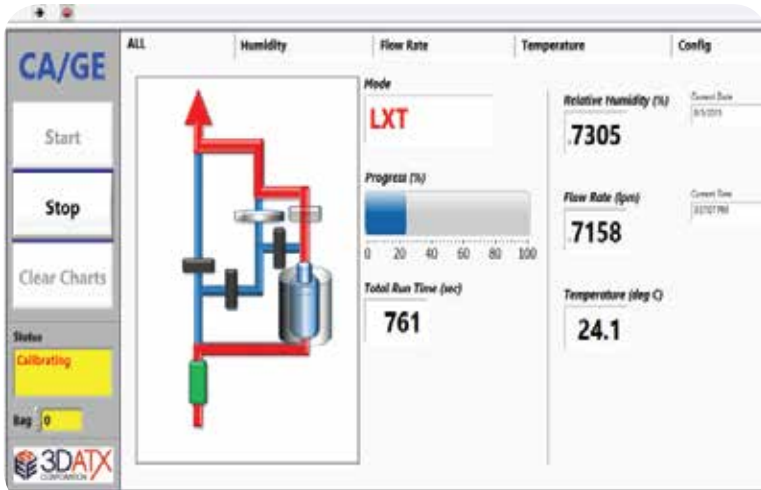
The CA/GE™ System utilizes a patented coil atomizer and proprietary LiquaXaust™ Method. This allows for up to 350 individual PM/PN calibration tests, and can be switched out and reloaded in under three minutes. An automated LabVIEW® - based software program

accurately controls the automated sequencing between ambient, HEPA and Low/Mid/High exhaust particle simulations. The relationships between these external, absolute measurements provide a reference calibration method, suitable for verification and certification programs.



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TECHNICAL INFORMATION



Features and Benefits

- Integrated and highly portable
- Fast response and simple operation
- Safer alternative to “manual flame method”
- Provides minimum level necessary for field testing
- Wide range of applications due to integrated PM/PN stages
- Predefined operating points for onsite quality checks of particle count/measurement devices
- Utilization as stand-alone device
- Low total cost of ownership

Technical Characteristics

Details	Data
Dimensions	27cm x 22cm x 13cm
Weight	3.1 kg
Power supply	12V Lithium Ion Battery
Output	Standard Calibration/Variable/Vapor and Nano-Particles
Particle Size Range	150-1000+ nm
Concentration Range	Up to 10 ⁷ particles/cm ³
Sample Stages	Ambient air/Undiluted HEPA (“Zero Air”) Low/Mid/High Ranges
Output Flow	Up to 10 L/min
Particle Source	LiquaXaust™ Tank
Dilution Air	Filtered Air
Flow Control	High precision mass flow controllers

CA/GE™ and parSYNC® PLUS (pictured below)



Designed to produce a carefully controlled size distributed aerosol combination of particles and vapor

We Make Transportation Decisions Easy



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