

CA/GE™

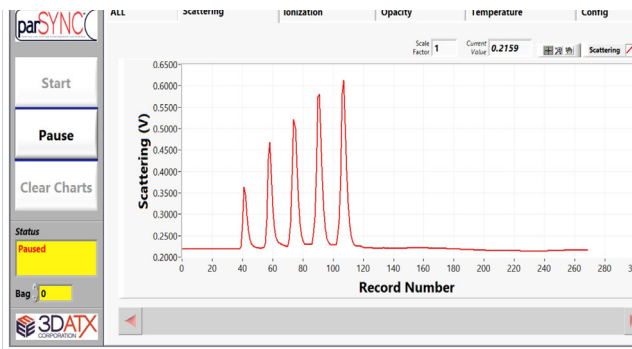
PM/PN Calibrator / Generator

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 combination (patents-pending) heater coil atomizer and proprietary LiquaXaust® Tank method. Each individual Tank 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 and particle simulations. The relationships between these external, absolute

measurements provide an extremely accurate calibration method, suitable for verification and certification program. Further, the CA/GE™ System allows for ambient particle testing in areas a normal particle count is not sufficient.



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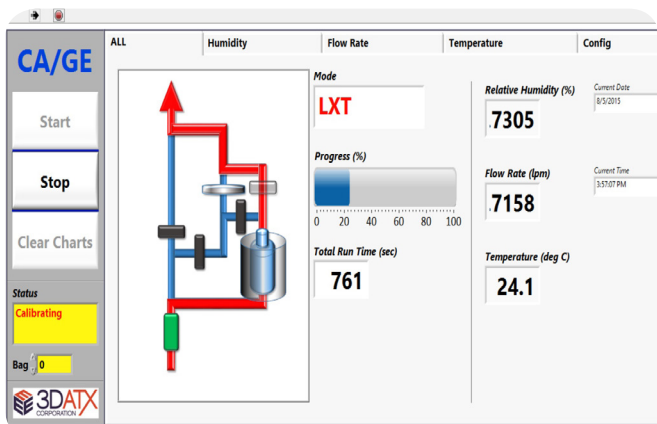
3DX-CAGE-V1

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TECHNICAL INFORMATION

Features and benefits

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



Technical characteristics

Details	Data
Dimensions	27cm h x 22cm w x 13cm d
Weight	3 kg
Power supply	12 V Lithium Ion Battery
Output	Standard Calibration/Variable/Vapor and Nano-particles
Particle Size Range	10-2500 nm
Concentration Range	Up to 1×10^7 Particle/cm ³
Sample Stages	Ambient/Undiluted HEPA ("Zero Air") Low/Mid/High Ranges
Temperature	85 C
Output Flow	Up to 15 l/min
Particle Source	LiquaXaust™ Tank (Patent Pending Blend)
Dilution Air	Filtered Air
Flow Control	High precision mass flow controllers



LiquaXaust™ Tank

Designed to produce a carefully controlled size-dispersed/ distributed aerosol combination of non-toxic particles and vapor in the required size range



WE MAKE TRANSPORTATION DECISIONS EASY

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