

“ GENERATING NEW IDEAS.
SOLVING BIG PROBLEMS. ”



Contact us today to learn more about how our team of transportation technology professionals can transform your current fleet management program into an engine of enhanced performance and profitability.

We Make Transportation Decisions Easy

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 **1.844.30.3DATX (3289)**



INNOVATION

MEETS

TRANSPORTATION

integrated Portable Emissions Measurement (iPEMS) technologies for transportation and power generation markets

SALES

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WHO WE ARE

3DATX Corporation is a Buffalo, NY based company that manufactures next generation emissions measurement technologies for the transportation and power generation markets. We manufacture a range of accurate, low-cost, and ultra light-weight portable emissions measurement systems (PEMS) that make field testing, industry and academic research, and regulatory compliance screening practical on a mass scale.



In response to industry demand, 3DATX has developed the iPEMS solution platform. iPEMS are defined as a class of equipment weighing less than 5kg – including power source, and having the ability – at a minimum – to measure PM/PN, NO/NO₂/NO_x, CO and CO₂. iPEMS equipment provides a single technician or operator with the ability to hand-carry a device through airport security and into the field, to

deploy and test within an hour of arrival to the test site. A significant advantage of the 3DATX iPEMS design is the Modular Sensor Cartridge design. The 3DATX parSYNC® is the only Particulate Measurement unit in the industry with commercially available field calibration capabilities (e.g. CA/GE™ System).

WHAT SETS US APART

Our unique miniaturized multi-chamber and replaceable sensor cartridges provide its user the capability to hot-swap while in the field. This eliminates down time and provides significant advantage to the number of tests that can be completed each day.



FIELD CALIBRATION CAPABILITIES

The CA/GE™ system 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. Automated software accurately controls the sequencing between ambient, HEPA and Low/Mid/High exhaust particle simulations. The relationship between these external, absolute measurements, provide a reference calibration method.



parSYNC®
S E R I E S

parSYNC® Series Comparison

| Specification | PTI | RDE | PLUS |
|---|-----|-----|------|
| Small Size and Lightweight | ✓ | ✓ | ✓ |
| Rugged & Weatherproof | ✓ | ✓ | ✓ |
| Low Power Consumption | ✓ | ✓ | ✓ |
| Wireless/Bluetooth Capabilities | ✓ | ✓ | ✓ |
| Easy to Maintain & Operate | ✓ | ✓ | ✓ |
| Replaceable PM/PN Sensor Cartridge* | ✓ | ✓ | ✓ |
| Replaceable GasMOD™ Sensor Cartridge* | ✓ | ✓ | ✓ |
| Real Driving Emissions (RDE) Compatible | | ✓ | ✓ |
| Customizable | | | ✓ |
| Network Configured | ✓ | | |

*PTI unit includes choice of 1 PM/PN sensor cartridge OR 1 GasMOD™ sensor cartridge OR Both

The newest member of the parSYNC® family - parSYNC® PN – is a multi-plex particle sensor system with the ability to capture multiple, dissimilar “images” of particles.

parSYNC® PTI

parSYNC® RDE

parSYNC® PLUS

parSYNC® PN

CA/GE™