

TRIBAL AIR QUALITY MONITORING

At American Ecotech, we are constantly designing and delivering innovative instruments to resolve air monitoring concerns nationwide. Our instruments are being utilized in US EPA projects, in addition to a large number of tribal air monitoring projects. We have extensive experience working on small and large ambient air monitoring projects.

American Ecotech has worked on air quality monitoring projects with numerous tribal nations across the U.S. We understand your unique challenges facing tribal communities. Our instruments reduce the effort involved in reporting valid data to federal and state agencies, while also providing improved system operational efficiencies. This represents a significant advantage for tribal agencies where staffing and budgetary resources may be limited. Our features translate to fewer operational station visits, assure precise and accurate data collection and maximum data capture, and all of this is achieved at affordable pricing.

We provide the highest quality instrumentation for measuring particulate matter, ozone, meteorological data, and other pollutants.



BENEFITS

- ✓ We supply everything from single instrument to full systems
- ✓ Exceptional Analyzer Stability
- ✓ Lowest Operational Cost
- ✓ Easy To Operate
- ✓ Precise Data Collection
- ✓ Automated Remote Maintenance Capabilities
- ✓ Fewer Service Visits
- ✓ Unparalleled Tech Support

Serinus 10 Ozone Analyzer

- The Serinus O₃ analyzers have been designed using our experience gained from operating air quality networks for more than 35 years.
- US EPA Approved (EQOA-0809-187).
- Guaranteed performance with a 2 year warranty.
- Multiuser Interface through RS232, USB, Bluetooth, analog, and optional TCP/IP.
- Straightforward set-up through intuitive menu system with "Quick Menu," advanced GUI and a conveniently new larger keypad with tactile keys.
- Superior remote instrument control, diagnostic viewing, and calibration.
- Removable flash memory stores 10 years of data. Operational parameters can also be transferred to memory for easy retrieval.
- Improved operator safety through the use 12VDV internal voltages.
- Reduced cost of spare parts and accessories items.



Serinus Gas Calibrators

- The Serinus gas calibrators offer gas dilution calibrations, ozone analyzer precision checks, gas phase titrations and ozone transfer calibrations.
- Delivers precise and constant dilution ratios of various calibration gases, including CO, CO₂, O₃, NO_x, NO_y, NH₃ and SO₂.
- New user interface conceived and designed using customer input is simple to configure and intuitive to use.
- Performs calibrations manually through user interface or remotely via RS232, USB networks or digital inputs.
- Designed and developed with wide-ranging customer input for easy and accurate use.
- Primary Source Mass Flow Controller: 10 SCCM Source MFC to 2 SLPM Source MFC (default: 50 SCCM MFC).
- Additional Source Mass Flow Controller: 10 SCCM Source MFC to 2 SLPM Source MFC.
- Additional 4 source inlets.



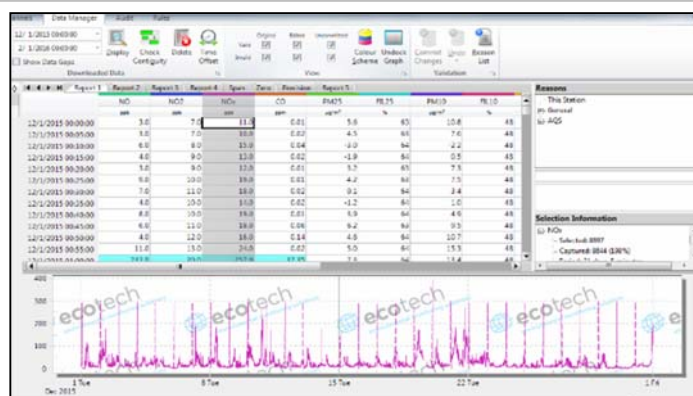
PM10 / TSP samplers

- Volumetric flow control automatically corrected to standard reference temperature.
- Industrial brushless motor (100,000 hours continuous field operation).
- Weather-proof marine quality anodized aluminum cabinet.
- Automatic supply voltage monitoring and shut-down facility prevents damage to instrument.
- Wind direction and speed used to activate/de-activate sampler.
- Fence-line monitoring available with a network of samplers.
- Enhanced communication.
- The HiVol 3000 PUF Samplers have **U.S. EPA** approval as a reference Method for **PM10** particulate air monitoring (RFPS-0706-162).



Airodis Data Reporting Software

- Design based on .Net technology for use in Microsoft Windows XP/7. Uses MS SQL database.
- Automatic dialup and simultaneous download of data from multiple loggers.
- Sophisticated data validation.
- Data validation graph makes it easy to select data.
- Data for any period can be validated with drop and drag reasons.
- Virtual stations features allow validation and graphing of data from different stations in a single screen.
- Enables users to write their own communication protocols for any data logger.



CONTACT US TODAY

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PM2.5

PM10

OZONE

NO_x

NH₃

BTEX

SO₂

VOCs

NO₂

H₂S

CO₂

Total Sulfur

Heavy Metals

Do you need to monitor these compounds?

Contact us today.

877-247-0403

info@americanecotech.com

Our instrumentation also includes:

- Real Time Air Toxics (VOCs) monitors
- Lead (Pb) & heavy metals
- PM2.5 and PM10 monitors
- Nephelometers for measuring visibility and particulates
- Ozone calibration standard (Photometer)
- Gas Dilution Calibrators
- Dataloggers
- Zero Air Generators
- Data Validation and Reporting Software



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