

American Micro Detection Systems, Inc.

At the Source
Water Monitoring
Systems

Fast
In-Process Analysis
Un-Attended Remote Reporting

We are American Micro Detection Systems, Inc. (www.AMDSinc.com), located in Stockton, California. We develop and manufacture scientific instruments for real-time detection and monitoring solutions for process control and environmental protection. AMDS instruments are patented, rugged, highly sensitive monitors permitting repeatable, accurate analysis of toxic metals in liquids to low ppb. AMDS products are designed to operate unattended with automated information transfer capabilities enabling clients to monitor and manage discharges from multiple locations, creating a cleaner and safer environment.

Our products provide continuous in-process monitoring, saving you millions of dollars in lost revenue and reduced liability.

REX



**Remote Monitoring,
Alarm Management,
and Diagnostic
Compliance.**

REX™ is an innovative real-time, remote, online Dissolved Metal Detection System designed for water and light viscosity liquids.

REX automatically detects and identifies dissolved metals for active in-process control. REX combines ISO-17025 certified accuracy and reproducibility with at the source capabilities to locally provide digital control for up to seven discreet devices. REX needs no consumables, and no direct operator supervision. REX is fast. Collocated analysis reporting capabilities, allows companies to reduce the cost of consumables, lowering maintenance costs, and reducing processing downtimes. Fast detection and accurate local sampling allows REX to execute immediate process activities 10-20 times per day. Direct benefits to water treatment facilities include; monitoring process fluids to control product quality; process discharge water; monitor and minimize the environmental impact

A standard periodic table of elements, color-coded by groups. It includes all elements from Hydrogen (H) to Oganesson (Og).

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on your facilities and log regulatory compliance with wastewater effluent limits.

Below is a partial list of key element REX can detect:

Magnesium - Mg	Aluminum - Al	Chlorine - Cl	Potassium - K	Chromium - Cr
Manganese - Mn	Iron - Fe	Nickel - Ni	Copper - Cu	Zinc - Zn
Germanium - Ge	Arsenic - As	Selenium - Se	Bromine - Br	Strontium - Sr
Cadmium - Cd	Mercury - Hg	Thallium - Tl	Lead - Pb	Uranium - U

ToxicAlert

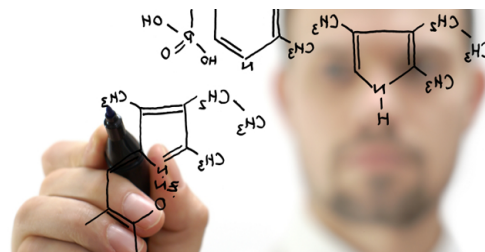


ToxicAlert™* In-Situ Chemical Analyzer is configured to monitor, analyze and control chemical process configurations remotely, or provide contamination alerts.

ToxicAlert is an innovative, online Complex Organic Chemical Analysis System designed for water, enabling companies to automatically detect and identify chemical constituents, from high ppm to low ppb for active in-process control.

ToxicAlert's sensitive detection combined with Dual Matrix analysis modes ensures simultaneous data storage, and reporting of multiple chemical signatures. ToxicAlert may also be configured to prioritize for key toxins, ensuring positive identification and accurate alert events reported in real-time, every time. * *We are now taking Pre-orders for delivery of ToxicAlert for 2Qtr 2016.*

- Fast single photon detection
- Higher specificity (minimal false positives)
- Miniaturization (portable): Only 12"x12"x2.5"
- Improved robustness (real-time analysis in-situ at the point of interest)
- Results in milliseconds



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