

METALGUARD™ Lead Alert!™

Real-time Lead Corrosion Risk Management System

MetalGuard™ Lead Alert!™ is an automated lead analyzer for monitoring the risk of exposure to lead contamination. It is designed to be used independently or in conjunction with SafeGuard™ Lead for rapid low-cost analysis of locations predicted to be at risk for an increase in contamination risk.

MetalGuard™ Lead Alert! is an automatic, unattended analyzer that provides high frequency, timely and accurate predictive data to inform utilities and consumers of their exposure to the risk of lead contamination.

MetalGuard™ Lead Alert!™ Applications

The MetalGuard Lead Alert! analyzer provides data on dissolved and total lead in water samples. The analyzer can be installed in the distribution network or water treatment plant, it is deployed in two modes:

Mode 1: Comprehensive monitoring of a home or building with an exposure to lead contamination

- Multiple stream analysis provides for 24/7/365 real-time monitoring of multiple locations in a home, school, day-cares or other similar facilities.

Mode 2: Predictive analysis

- Continuous analysis of the predicted impact of drinking water quality on the corrosion of lead pipes, tin/lead solder and brass fittings.
- Alerts utilities and consumers when there is a change in water quality that increases the risk of exposure to lead contamination.

The benefits of using the MetalGuard Lead Alert! analyzer include:

- Fully automatic, unattended operation
- Early warning to consumers and utilities of an increased risk of lead contamination
- Rapid analysis of the safety of drinking water in homes, schools, day-cares exposed to the risk of lead contamination

MetalGuard™ Lead Alert!™ Features

Automated operation

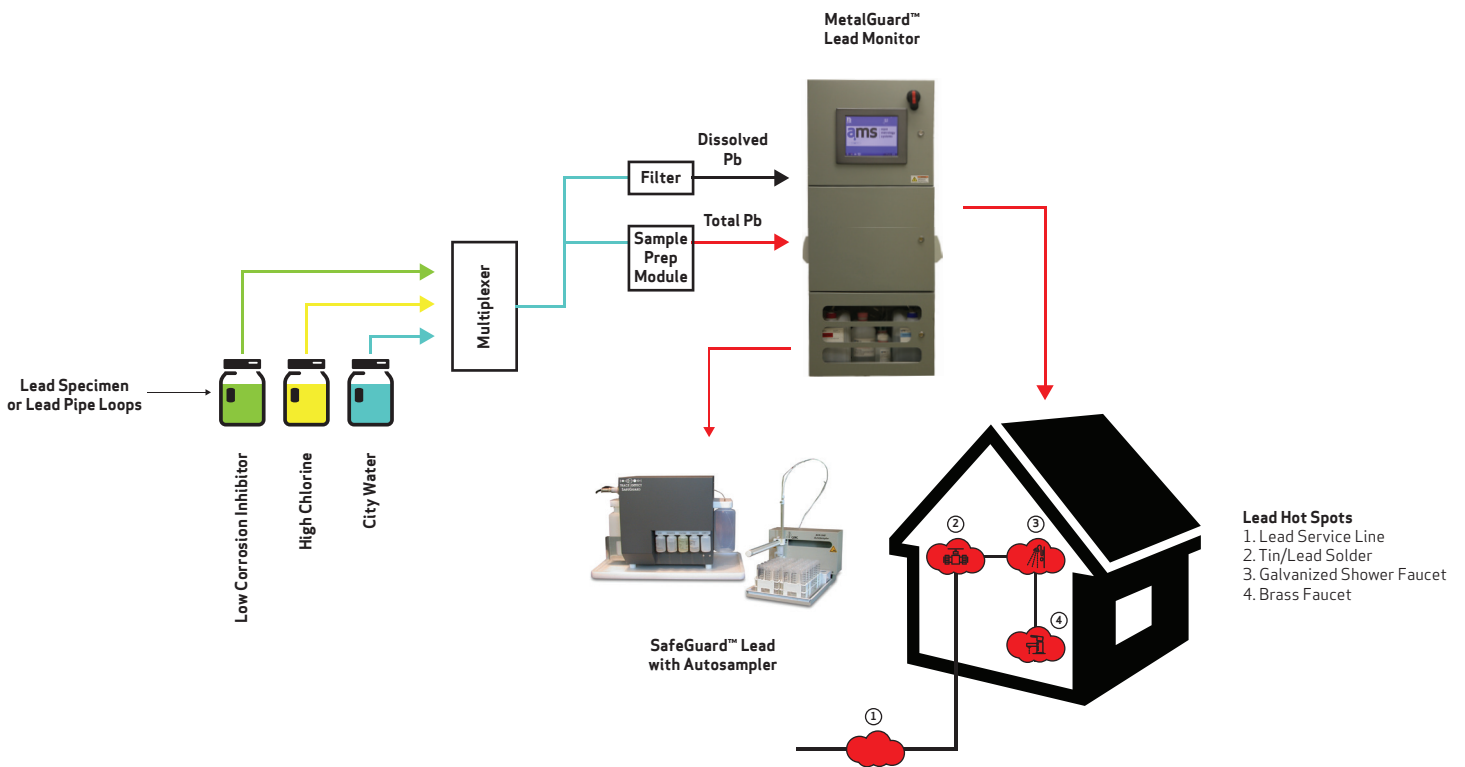
- Eliminates operator variability
- Accuracy to 1 ppb or $\pm 15\%$, whichever is higher
- Measurement time of 30 minutes (dissolved lead) and 1 hr (total lead)
- Correlation with standard method ($\pm 15\%$)
- Multiple stream analysis

Comprehensive data acquisition

- Data logging records results, allows report generation and results archiving



METALGUARD™ LeadAlert!™ Application Overview



MetalGuard Lead Alert! combines the predictive power of real-time data on dissolved and total lead values with a proprietary method for an automated lead corrosion simulator; the result is a novel real-time lead corrosion risk management system.

With MetalGuard Lead Alert! lead specimens are exposed to city water and the technology will identify immediately when changes in water quality increase the rate of lead corrosion of pipes, solder or brass fittings. MetalGuard Lead Alert! can be used in conjunction with SafeGuard™ Lead for rapid low-cost analysis of locations predicted to be at risk for an increase in contamination risk.

METALGUARD™ LeadAlert!™ Specifications

PERFORMANCE

Measurement Range	1- 1,000 ppb dissolved and total lead
Measurement Accuracy	1 ppb or ± 15% for dissolved and total lead
Measurement Time	Approximately 30 minutes (dissolved), 1 hour (total)

* Note- specifications are subject to change without notification.