MetalGuard™ Sample Prep

Water Quality Analyzer Support System

MetalGuard ™ Sample Prep is a real-time water quality analyzer support system that maintains the integrity of online sensors by eliminating the risk of interferences that compromise their performance, allowing them to provide high-quality data needed to ensure the delivery of safe drinking water and effective treatment. The MetalGuard Sample Prep system eliminates the risk of misleading water quality data, reduces the financial burden of manual supervision, maintenance and replacement of sensors.

Unique Features

- Samples are purged of interferences before analysis
- Complex contaminants are treated automatically to ensure total presence of the contaminant is analyzed
- Sensors are automatically cleaned
- Sensor performance is remotely monitored, and alerts issued when re-calibration is required

Immediate Benefits

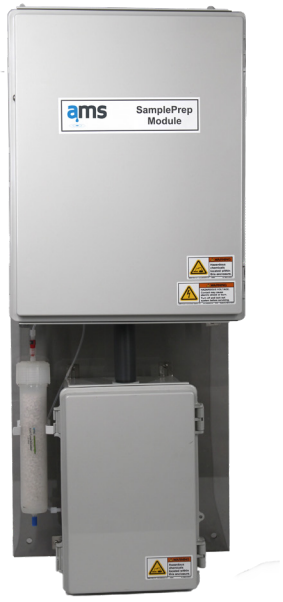
- Higher quality data available 24/7 on which process control and risk management are dependent
- Improved sensor life and uptime
- Lower maintenance costs (labor and replacement sensors)
- Optimized calibration costs

Why MetalGuard Sample Prep

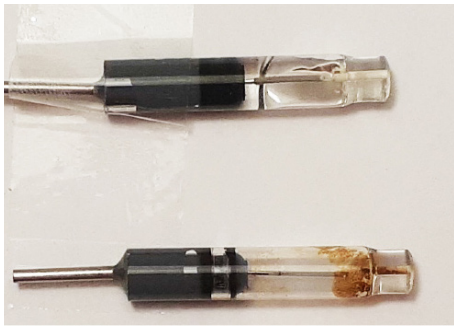
Without reliable, real-time water quality data, the health of the public and the environment are put at risk.

Reliable water quality data is critical for the effective process control and risk management of water and wastewater treatment facilities. However, the accuracy, precision and availability of data from online analytical sensors are frequently compromised by interferences — particulate matter, organic and inorganic chemicals, and biofilm — making these technologies prone to delivering misleading results.

Water and wastewater service providers bear the responsibility of minimizing these risks and incur hidden lifetime costs resulting from frequent inspections, cleanings, calibrations, and replacements of sensors that are needed.



Real-time water quality analyzer support system for MetalGuard online monitors.



Effect of the sample quality on the probe condition - Top: healthy probe; Bottom: fouled probe.

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