



AMS Data Quality Assurance Program

AMS' online water quality analyzers provide valuable real-time data to understand inorganic, organic, and trace metal contaminant levels throughout the treatment process and distribution system. This data helps facilities identify changes in contaminant levels quickly, enabling them to make necessary process adjustments to ensure cost-effective compliance with regulatory and contract requirements.

The Value of Data Quality Assurance

The quality of the data received from online analyzers is crucial as it directly affects plant uptime and downtime frequency. Data quality depends on an analyzer's accuracy, reliability, and availability. Therefore, ensuring data quality minimizes downtime and maximizes facility uptime.

AMS offers a unique data quality assurance program that guarantees unmatched service levels in the industry. AMS after-sales service support is designed to maximize uptime and minimize analyzer repair time, delivering >99% data availability and uptime.



AMS Data Quality Assurance Program Goals

AMS' comprehensive data quality assurance program helps maximize the ROI on online water quality analyzer investments and significantly reduces uncontrolled maintenance costs.

Goal	AMS Functionality
Maintain data accuracy and repeatability +/-5%	Remote monitoring of analytical results (including calibrations and validations) by automated system and live process analyst
	Reagent and standards quality control
Deliver data availability >99% <ul style="list-style-type: none"> Maximize mean-time-to-failure Minimize mean-time-to-repair 	Analyzer self-diagnostics and alarms
	Constant-improvement-program (hardware)
	Remote diagnostics of non-conformities
	Remote analyzer management and repair
	Right-first-time on-site service
	Trained service personnel
Minimize cost of data assurance <ul style="list-style-type: none"> Minimize service visit frequency Minimize visit cost (time and materials) 	Telephone support
	Remote diagnostics and repair
	Remote analyzer management
	Trained personnel
	Remote support

AMS Data Quality Assurance Program Details

- Quarterly preventative maintenance
- Custom reagents
- On-board standards
- 24/7 remote health monitoring
- Cloud data (Google Cloud and AMS Health Monitor)
- All software upgrades (fluidics, diagnostics)
- Ongoing training
- Data analytical services
- Telephone support
- Client service portal

The AMS Health Monitor system allows for rapid trend analysis and process optimization. AMS' quarterly preventative and performance summary reporting provides clients a detailed 90-day and 12-month overview of instrument(s) status, including all analytical results.