



Analytical Products and Solutions

## Process Analyzer Management

Monitor, Visualize, Validate Performance and Reliability

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### More Efficient Analytical Performance Control

Analyzer Systems Monitoring and Management ensure the quality of analytical measurement being used in permit compliance, product quality, process control, safety, and other applications. The analyzers and equipment you rely on for accurate measurements are often being maintained by just a few skilled technicians. Siemens Process Analyzer Management systems provide aggregated information and the Key Performance Indicators that technicians need to support their efforts with greater efficiency and accuracy.

The systems provide single-point measurement statistics, analyzer-group monitoring, comprehensive activity management, and other levels of assistance. Some systems also include historical trends for selected parameters, real-time monitoring and deviation alarms, infrastructure management, maintenance planning and scheduling, and automatic reporting. Your technicians can use this information to maintain process analyzers and sample delivery systems, optimize analyzer performance, and increase the online availability of analytic information.

## Scalable to Fit Your Process Requirements

Siemens offers the MAXUM-integrated StatMon tool, the XHQ-based Analyzer System Monitoring (AnSM) tool, and the PCS7-based Analyzer System Manager (ASM) with increasing levels of functionality. StatMon provides automatic and continuous monitoring of selected key performance indicators for MAXUM analyzers. AnSM and ASM can connect to a few or many analyzers and can be used to monitor data, analyzer status, trends, and reporting views from statistical calculations and schedule tasks.

All three tools simplify monitoring trends and alarms for immediate or slow-to-change performance parameters. They can aggregate data and alarm if Analyzer performance slips. With complete historical information, you can initiate maintenance only when needed, which reduces unrequired workload while increasing analyzer availability. With Siemens Process Analyzer Management systems, you can be confident that your process analyzer is providing the continuous monitoring that is essential for ensuring compliance and operational efficiency.

	StatMon	AnSM	ASM
Objective	Attribute Monitoring	Analyzer Monitoring	Analyzer Management
Target	MAXUM	All Analyzers	All Analyzers
Operating Environment	MAXUM GCP	Windows Server 2008R2 / 2012 R2	Windows Server 2008R2 / 2012 R2
Operating Platform	MAXUM GCP	Siemens XHQ	Siemens PCS7
Client Licensing	No	No	Yes
Connectivity	MAXUM, onboard	OPC, Modbus, I/Os	OPC, Modbus, Profibus, I/Os
Analyzer Connectivity Scope	MAXUM specific	GC, CGA, Instrumentation	GC, CGA, Instrumentation
Number of Analyzers	1	"Unlimited"	"Unlimited"
Alarming Deviations	Yes, MAXUM specific	Yes	Yes
AutoConfiguration	No, MAXUM specific	Yes	No
Statistics (ASTM D3764/E178)	N/A	No	Yes
Statistics (Avg, StDev., Low/High)	Yes	Yes	Yes
Scheduled Tasks	N/A	No	Yes
Cylinder Tracking	N/A	Yes	Yes
Initiating Validation/Calibration	N/A	Optional, Limited	Yes
Reporting (Benchmarking, Validation)	N/A	Yes	Yes
Reporting (Historical Values & Trends)	N/A	Yes	Yes
Scheduling (Maintenance, Time)	N/A	No	Yes
Views (Build & Arrange Views)	N/A	Yes	Yes
View (System, Shelter, Analyzer)	N/A	Yes	Yes
View (Network)	N/A	Limited	Yes

Siemens process analyzer management systems offer a highly reliable approach for validating measurement performance and aggregating generated data. Depending on your specific needs, StatMon, AnSM, or ASM provide options for supporting your process. Share your objective with Siemens, and we will recommend a solution that will best fit your needs for sustaining growth and optimal efficiency. Talk to us!

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