

ONGUARD™ 3S ANALYZER

**An ultrasonic scaling analyzer
for process water systems**



OnGuard 3S analyzer is part of the OnGuard portfolio, which encompasses a variety of technologies designed to provide 24/7 monitoring and surveillance of your water treatment or process system. OnGuard technologies can run as stand-alone systems or as part of a fully integrated solution.

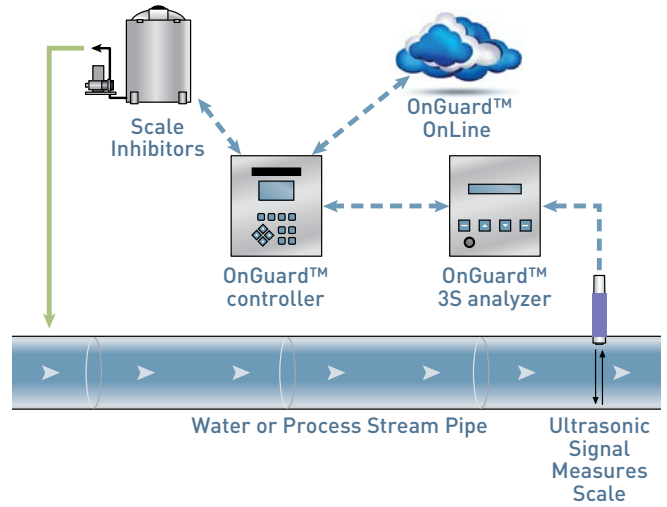
OnGuard™ 3S analyzer

Impurities in water and process systems can deposit onto pipes and equipment surfaces. These deposits can damage equipment and impact performance. The revolutionary OnGuard 3S analyzer measures scale formation, in real time,

and provides advanced warning to potential upset conditions, enabling plant staff to prevent production shutdowns and reduce operating costs.

Technology Overview

The OnGuard 3S analyzer uses patented ultrasound technology to detect scale deposition at levels as low as 5 microns, providing unparalleled sensitivity as compared to other measurement techniques. When coupled with OnGuard controllers, the OnGuard system can automatically respond to system upset conditions and make adjustments to prevent scale from building up.



Features and Benefits

FEATURE	BENEFIT
Patented ultrasonic technology	<ul style="list-style-type: none"> • Accurate water and process performance measurement • Real-time scale measurement and control
Integration with OnGuard controllers for automated chemical dosage control	<ul style="list-style-type: none"> • Reduced cost • Improved performance • Optimized chemical usage • Reduced operator intervention
Custom system configurations	Program designed to your specific needs/operation
Integration with OnGuard OnLine data management	24/7 monitoring and surveillance of water and process fluid systems

The Solenis Difference

Until now, direct in-line performance measurement in self-scaling systems has never been available. With the OnGuard 3S analyzer, direct performance measurement of scale is now available in scrubbers, process water, recycle water, mining systems, evaporators, liquor lines and many other water and process systems. When integrated with OnGuard controllers and other high-performance analyzers, it provides unparalleled system monitoring and control. Most importantly, all of these benefits come backed by a team of dedicated, knowledgeable Solenis sales personnel and industry experts.

More Information

To learn more, contact your technical sales representative or visit us online.



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