ONGUARD™ 3H ANALYZER

Innovation in system monitoring with ultrasonic technology

- **Assure** — Maintain peak production with 24/7 monitoring and surveillance
- **Verify** — Validate performance and value from your specialty chemical applications
- **Protect** — Safeguard capital assets while optimizing resources
OnGuard™ 3H Analyzer

OnGuard 3H analyzer employs patented ultrasonic technology to detect and accurately measure scale deposition as low as 5 microns, providing unparalleled scale measurement. The analyzer allows for real-time measurement of scale and provides notification of changing system conditions. The analyzer, when used in conjunction with an OnGuard controller, ensures optimal performance of the treated system, minimizing water and energy costs, reducing downtime and providing long-term asset protection.

Technology Overview

Ultrasonic pulses are reflected from the clean surface of the 3H analyzer. The ‘clean’ ultrasonic time is continuously compared to operational readings. The presence of scale reduces the ultrasonic travel time. Corrections for variations in temperature, conductivity and pressure provide scale detection as low as 5 microns.

Features and Benefits

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Working Principle

Time \((p + r) \propto \text{Scale Build-Up}\)

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  - Accurate and real-time measurement of scale, providing notification of changing system conditions
- Integration with OnGuard controllers for automated chemical dosage control
  - Reduced cost of operation
  - Improved performance
  - Optimized chemical usage
  - Reduced operator involvement
- Custom system configurations
  - Program designed to your specific needs/operation
- Integration with OnGuard OnLine data management service
  - 24/7 monitoring and surveillance of water and process fluid systems

The Solenis Difference

OnGuard 3H analyzer measures micro levels of scale, enabling rapid response and corrective action before the impact is seen in plant operating equipment.

Most important, all of these benefits come backed by a team of dedicated, knowledgeable Solenis sales personnel and application experts.

More Information

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

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