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## Acoustic Pulse Reflectometry Tube Inspection

Utilizing patented Acoustic Pulse Reflectometry (APR) technology, our tool lets you inspect every tube, regardless of size, configuration or material. Our non-traversing technology is 10 times faster than current inspection technologies, which rely on physically traversing every tube. This means you no longer need to settle for the risky random sampling of tubes – you can test every tube.

This fully integrated product comprises a compact, handheld hardware probe that is used to inspect internal diameters of any tube up to 2". A wide probe is available for internal diameters between 2"-4". The probe injects an acoustic pulse down the tube and collects the reflected signals that return. The probe is connected to a sophisticated software system that automatically processes and interprets the signals using Acoustic Eye's breakthrough signal processing algorithms. The system generates easy-to-read reports that pinpoint the location and determine the severity of every problem.

## Ultra-Fast, Non-Invasive Tube Inspection

Because they need to physically traverse each tube, current common heat exchanger inspection methods are slow, prone to breakdown, and often require the use of specialized or customized probes. Traversing is also limited by tube configuration, size and material, and is not suitable for measuring all types of flaws.

Our non-invasive acoustic-based solution lets you inspect any type of tube in any heat exchanger in less than 9 seconds, while delivering comprehensive, objective and actionable results. The technology detects tube defects such as corrosion, holes, leaks, degradation and fouling.

Whereas existing solutions, such as eddy current, require skilled and certified personnel to manually interpret the signals, our inspection solution offers computer-based interpretation that reduces time and costs, as well as ensuring consistency and reducing human error.