

TRND System

Cost-efficient in-service thickness monitoring



The collection of material thickness information for assets operating at elevated temperatures has historically been an expensive, time consuming, and sometimes hazardous process. Built on the industry-leading, high-temperature HotSense™ platform and wirelessly connected by Inductosense battery-less WAND technology, the TRND system can be retrospectively installed and implemented within the harshest of environments. Within minutes of installation, quantitative wall thickness data can be acquired, remotely analyzed, and reported through a cloud-based data management system.

FEATURES

System built on high-temperature HotSense™ platform

Wirelessly connected through WAND technology

Enables repeatable and reliable thickness measurements

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The TRND system is based on wireless induction technology, and requires no extra infrastructure to be installed on the asset. Wireless communication and data collection, in combination with integrated RFID location management, reduce asset management errors.

This system allows for fast data collection, resulting in increased productivity and reduced exposure of personnel to potentially hazardous environments.



Technical Data

- » Built on the industry-leading HotSense™ transducer platform, the TRND system offers intrinsically safe ultrasonic thickness measurements up to 660°F (350°C), without duty cycling, and it all fits under insulation.
- » Integrated calibration block offers in-situ temperature compensation and calibration to meet ASTM E797 and EN 14127 standards.
- » This system is certified to intrinsic safety standards for operation in Ex environments.

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