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To: SNI Installed Sensor Users
Re: Re-Calibration & Certification requirement issues for SNI's Installed Sensors
Date: June 1, 2017

Internal hardware and software checks are performed at every UT thickness-reading cycle ensuring the validity of the measuring circuitry. Furthermore, error associated with ultrasonic thickness measurement is related to coupling, wear and / or acoustic changes of the measuring transducer. Because our transducers are permanently fixed, coupling, wear and the use of acoustically-stable materials over the specified temperature ranges, measurement errors associated with the transducer fall well within the specified measuring error.

For those customers who, by code or internal procedure, are required to have periodic calibration checks during regular operation or annual factory recertification, an optional internal calibration element, with an NIST-traceable metal standard can be supplied. The internal calibration-certification element will require the use of one UT channel of instrumentation. For calibration purposes the user will be able to view the calibration results during every Modbus or web-based instrument reading. For factory recertification, the results will need to be viewed by SNI's factory or authorized entity who, after analysis of reading waveforms and reported instrument conditions, will be able to re-certify operation.

See SNI's price list for part number, description and price of these new features.

Lastly, the unit could be pulled from service and sent back to our factory or service centers for calibration recertification if mandated by the customer.

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