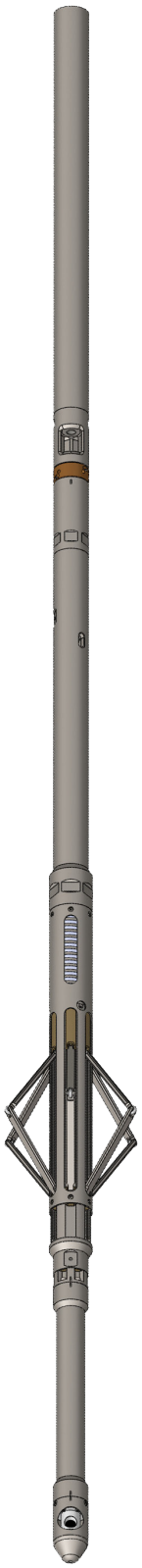
ULTRASONIC MEASUREMENT



ID SONIX - ULTRASONIC LOGGING

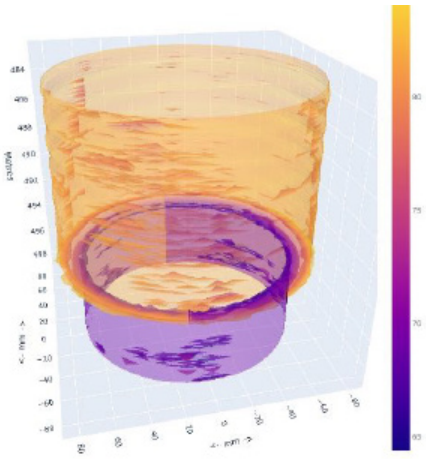
Based on ultra high fidelity transducer technology with the latest processing techniques, the ID SONIX accuratly measures the internal diameter and wall thickness of tubing or casing while simultaniously measuring the cement bond quality.

The tool has been engineered to be a small and lighter system while using the latest technologies available

Sensor Package
The ID SONIX is equipped with an all new ultrasonic sensor combined with a powerfull processing engine and ART (Acoustic Resonance Technology). Combining these technologies allows the tool to measure defects as small as 2mm and measure the wallthickness with a resolution of <0.1mm

Flexibility
The tool can be run in either gas (>35bar) or fluid environments and can be used in 2-7/8" tubing up to 9-5/8" casing (even GRE lined casing).

The ID SONIX data can be used for 3D representation to detect anomilies and review the overall integrity of the logged interval.



With the internal geometry mapping option, data can also be compared with previous multi finger caliper data to detect trends in metal loss.

SPECIFICATIONS - ID SONIX	
MECHANICAL SPECIFICATIONS	
Outside diameter [in/mm]	2-1/8” (Measures up to 5-1/2” tubing) 2-5/8” (Measures up to 18-5/8” casing)
Length [ft/m]	13.25 / 4.04
Weight [lbs/kg]	110 / 50
Temperature Rating [°F/ °C]	239 / 115
Pressure Rating [psi/bar]	8,000psi / 550Bar
Connection Size & Type	1-1/16” SR Pin
Centralized	Integrated Centralizer
Transducer configuration	Transducer configuration
MEASUREMENT SPECIFICATIONS	
Logging Speed	Hi. Res. 5m/min Std. Res.: 10m/min
Environment Correction	Wellbore Medium (speed of sound detection)
Onboard sensors	Pressure, Temperature, IMU
Detection resolution	Down to 2mm defects
Wallthickness Resolution	< 0.1 mm
Calliper Accuracy	< 0.1 mm
Angular detection	60 samples/revolution @ 180 RPM
Data Processing	Onsite PC
Data download	+/- 90 min.

Specific sizes and/or measurements can be discussed but may require tool specific changes