APPLICATION NOTE

Corrosion Scanning with Handheld DM Array Probe

Customer Need

Historically, ultrasonic corrosion surveys have been conducted with point measurement probes taking a grid of points over a given area. Unfortunately, this method provides an incomplete picture which makes it likely that the true minimum of a given inspection area is never detected.

Customer Solution

By using BHGE's handheld DM Array Probe, the suspect area can be 100% scanned to locate the true minimum thicknesses--as well as any random pitting or damage that may exist. This provides a much more accurate assessment.

Key Features

- Customizable Palm Scanner App on the Mentor UT provides a guided workflow to standardize and reduce time for calibration and set-up of inspection
- Touch screen operation for fast and easy interrogation of suspect areas
- DM Array probe optimized for pitting corrosion detection
  - Modular probe design for cost effective replacement

Modular DM Probe

Application

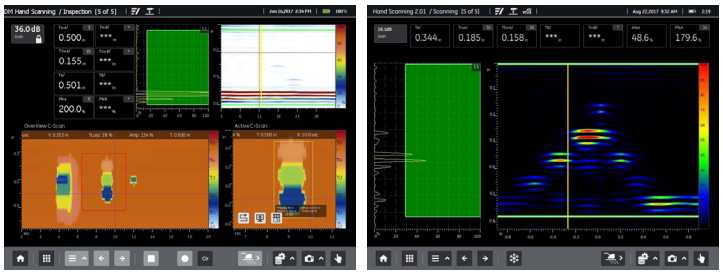
Inspection of assets subject to internal corrosion and erosive wall loss such as piping, storage tanks, and other critical assets; requiring visual display and confirmation of remaining wall thickness.

Modality

Ultrasonic (Phased Array)

Industry

Oil & Gas and Power Generation



A & E Scans, Selectable Measurements, and Touch Screen operation

Equipment Used

- Mentor UT Phased Array Flaw Detector - P/N 100N3883
- DM Acoustic Module (5 MHZ x 1.5 mm) - P/N DMARRAY_MOD1
- Probe Cable (3 m; Side Exit) - P/N DMCABLE_3M_RT

bhge.com

GEA33388 10/2017