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DAKOTA FX80

FX80 Multi-Mode Ultrasonic Thickness Gauge



Figure 1 Multi Thickness Modes



Pulse - Echo Coating Mode (PECT):
Displays both the material thickness (PE) and the coating thickness (CT) at the same time.

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P-E Pulse Echo for uncoated (bare) material



Figure 2 Pipe with severe thinning

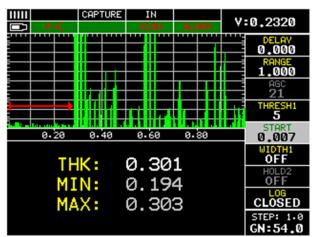


Figure 3 Pipe Bottom - uncorroded

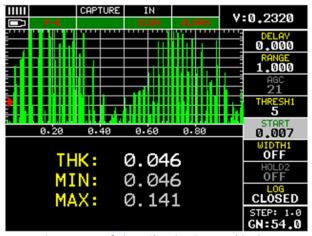
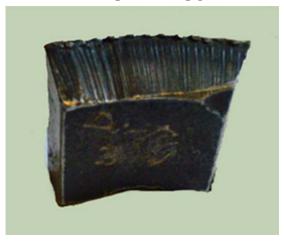


Figure 4 Top of Pipe - Showing Severe Thinning

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Sample for rejected pressure vessel, measured ~ 0.25" with D-Meter



Figure 5 Signals from plate with inclusion

A-Scan display allows inclusions to be identified as they typically do not block the signal from the back wall echo

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P-E CT Mode:

Proprietary mode from Dakota Ultrasonics that provides:

- Pitting Detection of P.E. Mode.
- Measurement of Coating Thickness
- Measurement of Material Thickness





Figure 10 Measurement over drill hole

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CT Mode - Digital Display of Paint Thickness



Figure 11 Painted Sample

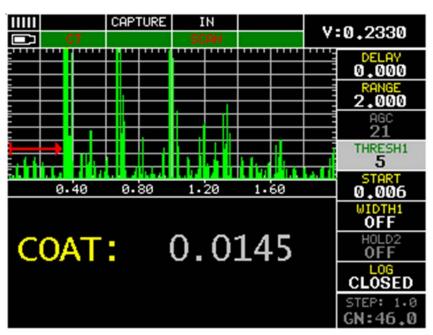


Figure 12 Coating Only Measurement

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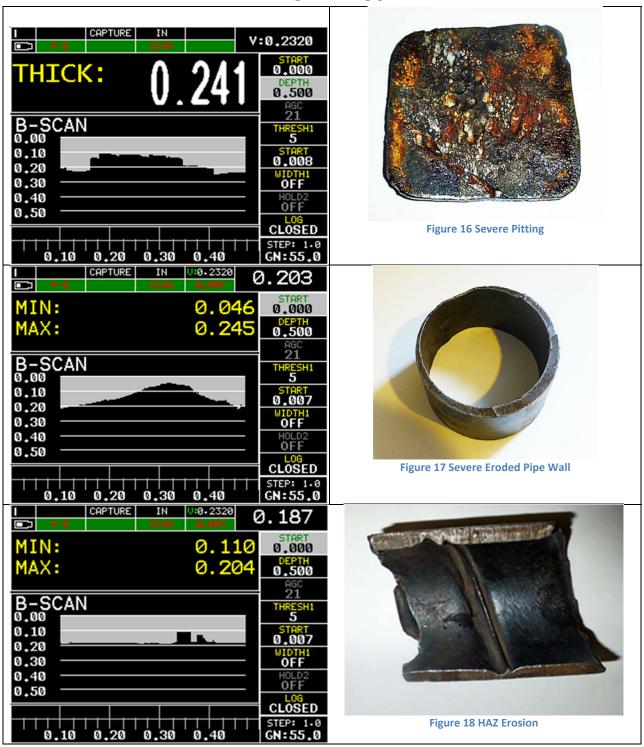
B-Scan Evaluation



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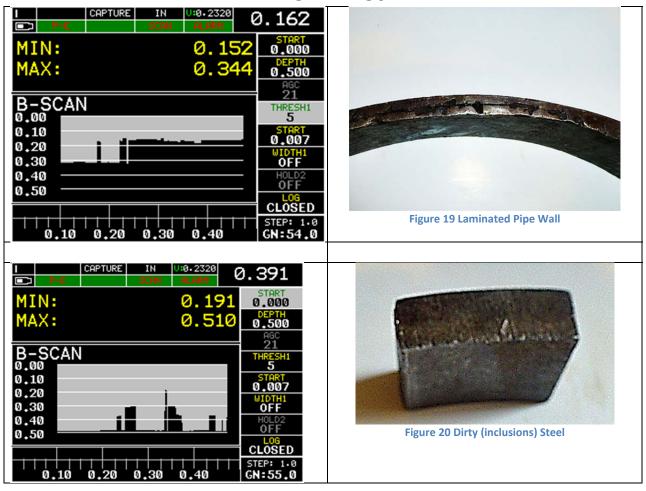
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Digits Only Display

