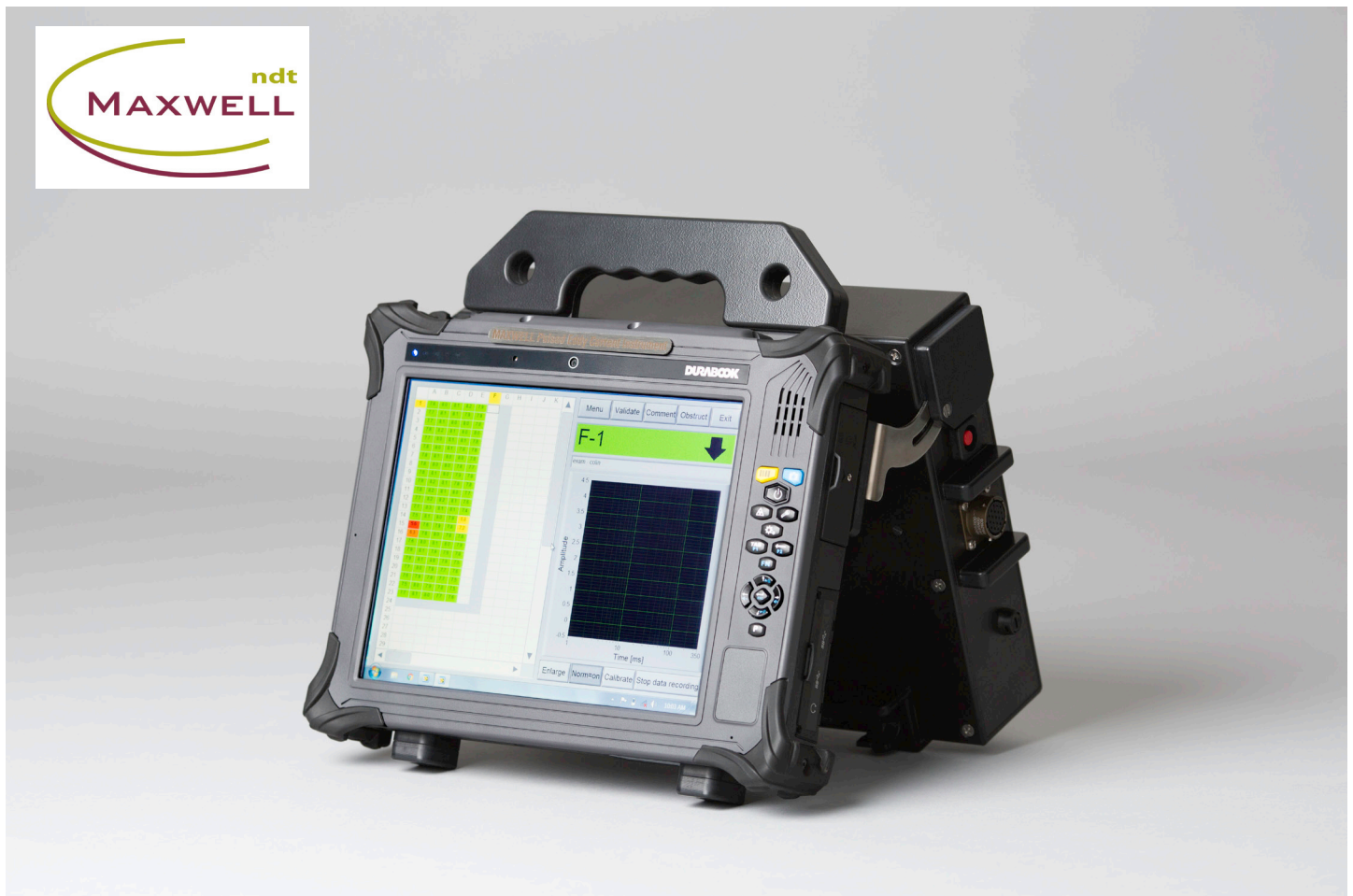


MAXWELL PECT

IN-SERVICE PULSED EDDY CURRENT INSPECTION OF ANNULAR RINGS OF STORAGE TANKS

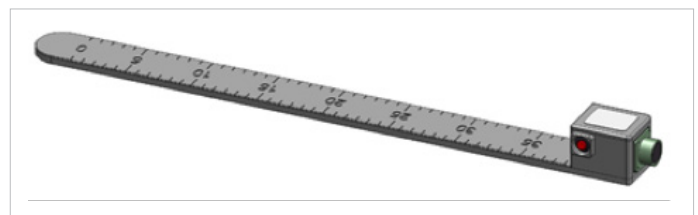


MAXWELL NDT offers a flat Pulsed Eddy Current probe that can be inserted underneath the annular ring of a tank floor for in-service inspection. Such inspection is of great value, as it can help to extend the intervals for out-of-service inspection.

ADVANTAGES

- **Compact magnetic field increasing defect sensitivity.**
- **High range in WT (2") and insulation thickness so also suited for vessel, not just piping.**
- **Fast single pulse including at high insulation thickness. Scanning possible also at high lift-off.**
- **Powerful batteries with hot-swap capabilities.**
- **Very robust, designed for use outdoors; very easy to use in field.**

MAXWELL Flat Tank Floor Probe

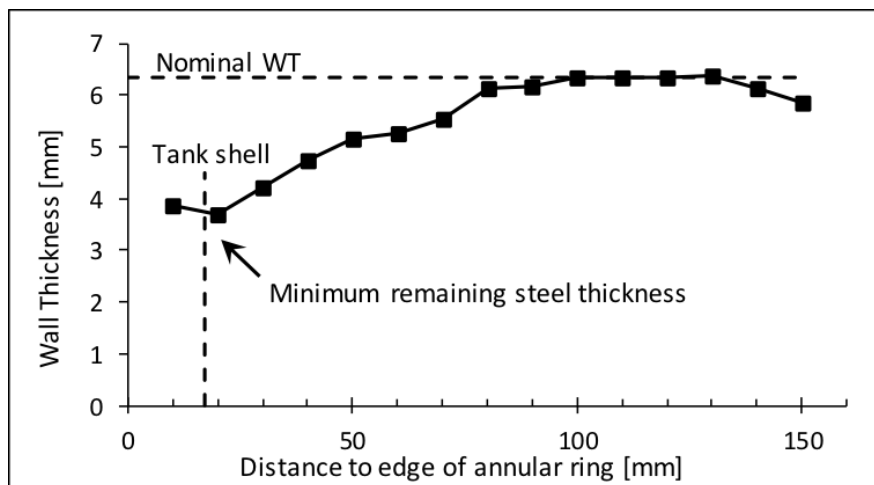


Effective length probe	370mm (14.5")
Width	45mm (1.8")
Height	7.5mm (0.3")
Wall thickness range	20mm (0.8")
Maximum lift-off	40mm (1.6")

Essential for annular ring inspection is that the MAXWELL PECT is powerful enough to measure through thick layers of corrosion products (iron oxides) underneath the tank floor. Removal of corrosion products is clearly unacceptable for in-service inspection as this may trigger a leakage; and such removal is not required for the MAXWELL PECT.



The below graph represents an example result of an annular ring inspection with the MAXWELL PECT, showing severe wall loss close to the tank shell. The corroded area extends over a length of about 80 mm in this case.



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