



SA-International offers Pulsed Eddy Current (PEC) inspection technology for the detection of corrosion areas in carbon and low alloy steels. Measurements are taken through any non-conductive material e.g. insulation, protective coatings, concrete & marine growth.

Capability:

- Provides the average remaining wall thickness measurement within the interrogated area (footprint).
- Direct contact is not required and wall thickness can be measured through any non-conductive material up to 150mm thick, e.g. insulation material, paint, bitumen, dirt, ice or sludge.
- Works through Stainless Steel and Aluminum sheeting $\leq 1\text{mm}$.

- Surface preparation is not required enabling measurements to be taken through corrosion products.
- Wide temperature range -100°C to 550°C .
- Good reproducibility of PEC readings at the same locations makes it ideal for corrosion monitoring.
- Rope Access deployable.
- Subsea and splash zone deployable.
- Battery operated and robust design.
- Fast and reliable data collection typically 700 to 1000 readings per day.

Applications:

- Vessel and pipework inspection
- In-service corrosion/erosion monitoring
- Wall loss measurement through corrosion product
- Riser and cassion inspection above and

- below splash zones
- Storage tank inspection
- Ship hull surveys
- Refractory lined vessels
- Subsea Inspections



Storage Tank Inspection: Inserting PEC probe into the gap between the annular ring and tank base is a simple operation and can be performed with the tank in service.