

EMPIT Pipeline Inspection System

Technical Specifications

as certified by TÜV Süd

Pipeline outer diameter (OD) ¹⁾	3 inch to 36 inch
Maximum wall thickness (WT) ²⁾	10 mm
Pipeline depth (to the axis)	up to 2 m
Inspection current I_{SQ}	$\leq 16A_{eff}$
Plotting of the inspection current used for identification of coating defects	related to I_{SQ}
Maximum pipeline range between two contact points	1000 m
Average Productivity ³⁾	750 m /day
Defect specifications (at POD $\geq 96\%$): (Detection Level 1)	
Minimum length	50 mm
Minimum width	50 mm
Minimum metal loss	50% of WT
Defect detection (response threshold)	20% of WT
Uncertainty of the “depth of cover” - plots	≤ 20 mm

¹⁾ Inspection of pipelines with OD up to 42” is possible

²⁾ Larger WT by request

³⁾ Dependent on the ground condition (smoothness etc.)