

# Electromagnetic Defectoscope (EMT24)

Titan Division | Instruments

## Overview

The Electromagnetic Thickness Tool (EMT24) is designed to measure the metallic damage of single/multiple casings, the remaining wall thickness, the column structure, and tool locations. EMT24 also accurately indicates damage types like transversal/axial crack or corrosion. A temperature sensor is also mounted for temperature measurement.

## Application

- Measure the remaining wall thickness in multi-casing in one run
- Determination of the damage type like pits, transversal/longitudinal cracks
- Determination of inner casing penetration
- Locating casing collars

## Specifications

Max Working Temperature	175°C (350°F)
Max Working Pressure	100MPa (15000psi)
OD	43mm (1 11/16")
Weight	7.2Kg (16 lbs)
Tool Length	1777mm (69.96")
Make-up Length	1872mm (73.70")
Transmission	Mono-conductor
Operating Voltage	18V
Operating Current	850-950mA
Logging Speed	5m/min (16.4 ft/min)
Thickness Measurement Error	Single 0.5mm Double 1.5mm
Min Detectable "Axial Crack" Length	2.5 Single 50mm 5.5 Single 70mm Double 150mm
Min Detectable "Transversal Crack" Length	1/6 of Perimeter
Min Detectable Diameter of Pits	30mm
Measuring Range of Single Pipe	3-12mm
Measuring Range of Double Pipe	Max. 25mm
Thread Type	WSDJ-GoC-1A

