

# Electromagnetic-Defectoscope (EMT-24)



*Description: The Electromagnetic Thickness Tool (EMT24) is designed to measure the thickness of up to three strings of concentric tubulars simultaneously and in turn detect corrosion or mechanical damage and calculate remaining wall thickness. It also identifies the annular structure and location of mechanical features such as casing collars and external centralizers. The EMT24 can also detect other types of damage like longitudinal or axial cracks and corrosion. A temperature sensor is also mounted for temperature measurement.*

Diameter: 1.69"

Max Working Temperature: 175°C (350°F)

Max Working Pressure: 100MPa (15000psi)

OD: 43mm (1 11/16")

Weight: 7.2 kg (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

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