

Electromagnetic Thickness Tool (EMT16)

Titan Division | Instruments

Overview

The Electromagnetic Thickness Tool (EMT16) has been designed to measure casing wall thickness. The power is supplied and the signals are transmitted through mono-conductor cable.

The EMT16 includes an array of twelve miniature sensors. Each sensor obtains one magnetic variation signal. All of the data from the twelve sensors are transmitted through the telemetry cartridge to the surface to be presented in log records.

The EMT16 must be centralized during operation, and combined use with the multi-finger caliper is recommended. Special interpretation software is provided for interpretation of EMT16 data only or for combined interpretation of EMT16 and multifinger caliper measurements. Three-dimensional imaging and output may be realized.

Applications

- Metal Loss Inspection
- Wall Thickness Measurement
- 3D Imaging of Well Condition
- Pits Detection

Specifications

Model	EMT16
Temperature	175 °C (350 ° F)
Pressure	100MPa (15000psi)
OD	43mm (1 11/16)
Make-up Length	1976mm (77.795")
Shipping Length	2071mm (81.535")
Measuring Point	944.8-931.5mm (37.197-36.673")
Weight	12 kg (26.46lbs)
Transmission	Mono-conductor Cable
Operating Voltage	18V±10 %
Operating Current (Transmitting Driver Open)	350mA±50mA
Operating Current (Transmitting Driver Closed)	100 mA±10mA
Max. Logging Speed	5m/min (16.4ft/min)
Transmission Protocol	WSTbus
Logging Speed	150m/h-300m/h
Transmission Speed	500 kbps
Measuring Range	3"-7"
Radial Resolution	100% Coverage (<5" Casing)
Thread Type	WSDJ-GoA-1A

