

ElectroMagnetic Thickness Tool EMT-S



DESCRIPTION

The Electromagnetic Thickness Tool - Scanning(EMT-S) is designed to detect the damage of tubulars by calculating the remaining wall thickness and corrosion extent. By measuring the phase shift of an induced electromagnetic field, it can accurately indicate the column structure and location of other objects in concentric pipe. High resolution and fast sampling enable EMT-S to scan tubular geometry to provide positional location of nonconformities.

APPLICATIONS

- Measure the remaining wall thickness of concentric casing in one run
- Determination of the type(s) of damage: pits, penetrations, cracks in transverse or longitudinal plane
- Determination of inner casing penetration
- Locating inner and outer collars in concentric casing
- Wellbore temperature logging

SPECIFICATIONS

PROTOCOL	GDTa
DIAMETER	1-11/16" (43mm)
MAX. TEMPERATURE	350°F (175°C)
MAX. PRESSURE	15,000psi (100MPa)
LENGTH	78.74" (2000mm)
MATERIALS	H2S Tolerant
LOGGING SPEED	20 ft/min (350m/hr)
WEIGHT	20lb (9kg)
MEASUREMENT RANGE	2 1/2" -12 3/4" (63-324mm)
MEASUREMENT ACCURACY	0.02" (0.5mm) Single Pipe 0.06" (1.5mm) Double Pipe
MIN. AXIAL DETECTABLE LENGTH	1.5" (40mm) Single Pipe 2" (50mm) Double Pipe
MIN. TRANVERSAL DETECTABLE LENGTH	1/6 of the perimeter
THICKNESS RANGE (MAX.)	.5" (12mm) Single Pipe 1" (25mm) Double Pipe

