

ElectroMagnetic Thickness Tool EMT-R

DESCRIPTION

The Electromagnetic Thickness Tool - Radial(EMT-R) is designed to detect the damage of tubulars by calculating the remaining wall thickness and corrosion extent. Twelve bowspring arms contain sensors that measure residual thickness based on the remote field eddy current principle. Directional readings allow more precise tubular yield pressure calculations.

Processed data can be combined with caliper in order to generate detailed interpretation of wellbore condition along with 3D image.

APPLICATIONS

- Measure the remaining wall thickness of casing
- Determination of the type(s) of damage: pits, penetrations, cracks in transverse or longitudinal plane
- Sectorized sensors allow localized identification of damage
- Inner and Outer wall damage identification
- Casing collar identification

SPECIFICATIONS

PROTOCOL	GDTa
DIAMETER	1 11/16" (43mm)
MAX. TEMPERATURE	350°F (175°C)
MAX. PRESSURE	15,000psi (100MPa)
LENGTH	85.86" (2181mm)
MATERIALS	H2S Tolerant
LOGGING SPEED	30 ft/min (10 m/min)
ACCURACY	±20% Wall Thickness
MEASUREMENT RANGE	2" - 7"
MEASUREMENT RESOLUTION	15% Wall Thickness

