

PRODUCT SPEC SHEET

GEOGUIDE MTD

Magnetic Thickness Detector

GENERAL SPECS

Temperature	350°F	177°C
Pressure	15,000 psi	103.4 MPa
Tool Diameter	1 ¹¹ / ₁₆ in	43 mm
Tool Length	7.55 ft	2,500 mm
Tool Weight	22 lbs	10 kg

SENSOR SPECS

Logging Speed		
Thickness Calculation	30 ft/min	9.14 m/min
Defect Detection	12 ft/min	3.66 m/min

Sampling Intervals	0.01 - 0.15 in	0.254 - 3.81 mm
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Measurement Range - First Pipe String

Minimum OD of Casing	2.44 in	62 mm
Maximum OD of Casing	12.76 in	324 mm
Maximum Wall Thickness	0.47 in	12 mm
Accuracy of Thickness	0.02 in	0.5 mm

Measurement Range - Second Pipe String

Minimum OD of Casing	2.44 in	62 mm
Maximum OD of Casing	9.63 in	244 mm
Maximum Wall Thickness	0.98 in	25 mm
Accuracy of Thickness	0.06 in	1.5 mm

Specifications are subject to change based on well profile. Contact your Gyrodata representative for details. Updated May 2018. Copyright ©2012 Gyrodata, Inc.

COMBINABILITY

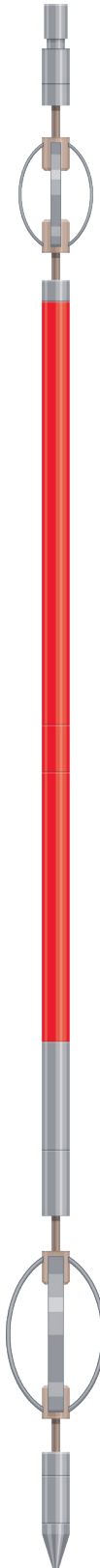
GeoGuide GR	Scintillation Gamma Ray
GeoGuide Temp	Temperature
GeoGuide CCL	Casing Collar Locator
GeoGuide CBL	Radial Cement Bond Log
GeoGuide MFC	Multi-Finger Caliper
MicroGuide	High Density Tortuosity Log
GyroGuide	Real-Time or Memory Gyro Surveying

Tool combinability dependent on application and tool configuration. Tool selection enables data correlation of depth, formation, tortuosity, or tool orientation and to pin-point anomalies in the well.

FIRST PIPE STRING
SENSORS

ELECTRONICS/TELEMETRY

SECOND PIPE STRING
SENSORS



Gyrodata's GeoGuide MTD services offer additional wellbore integrity diagnostics by measuring the casing thickness and identifying areas of corrosion. It seamlessly integrates with Gyrodata's extensive logging and surveying services. Additionally, Gyrodata's logging services team provides expert data interpretation in a detailed Corrosion Analysis Report for data clarity.

DESIGN + PERFORMANCE

- Delivers low- and high-frequency electromagnetic signals to detect and quantify metal thickness
- Capable of inspecting piping, production liner, first and second casing strings for metal loss
- When combined with the multi-finger caliper, measures the nominal thickness of the second casing string, while also determining if corrosion is internal or external on the first casing string
- Runs in real-time mode on e-line or memory mode via battery storage, depending on tool configuration
- Gyrodata's logging services team provide expert data interpretation on the electromagnetic thickness log presentations in a detailed Corrosion Analysis Report

MARKET + APPLICATIONS

- Completions & Production
- Workover & Re-Entry
- Cased Hole Operations
- Quantitative Evaluation of First & Second Pipe String Thickness
- Determination of Internal & External Metal Loss on First Pipe String
- Determination of Anomalies & Defects on First Pipe String
- Casing Decay Rate Calculation