

PURPOSE

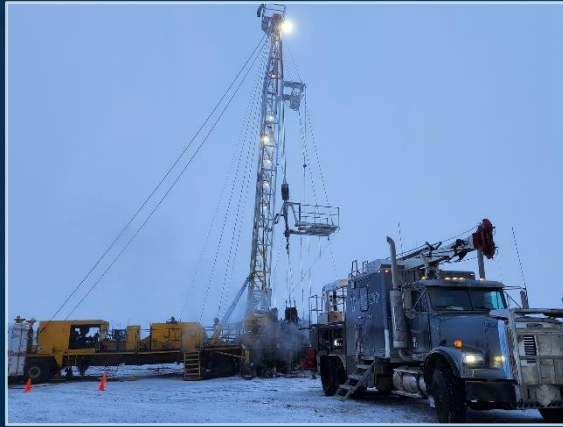
The MTD can be used to inspect tubing, production liner, and single and multi-layered casing strings. Comprised of four different measurement sensors, the MTD provides an average metal thickness measurement for both the inner and second tubulars, as well as identifies individual defects in both strings.

Integral Gamma Ray and wellbore temperature sensors allow accurate correlation and identification of temperature anomalies that may indicate holes or unexpected fluid flow. Combinable with Multi-Finger Caliper instruments, the two simultaneously logged instruments provide a comprehensive evaluation for both inner and secondary tubulars.



FEATURE

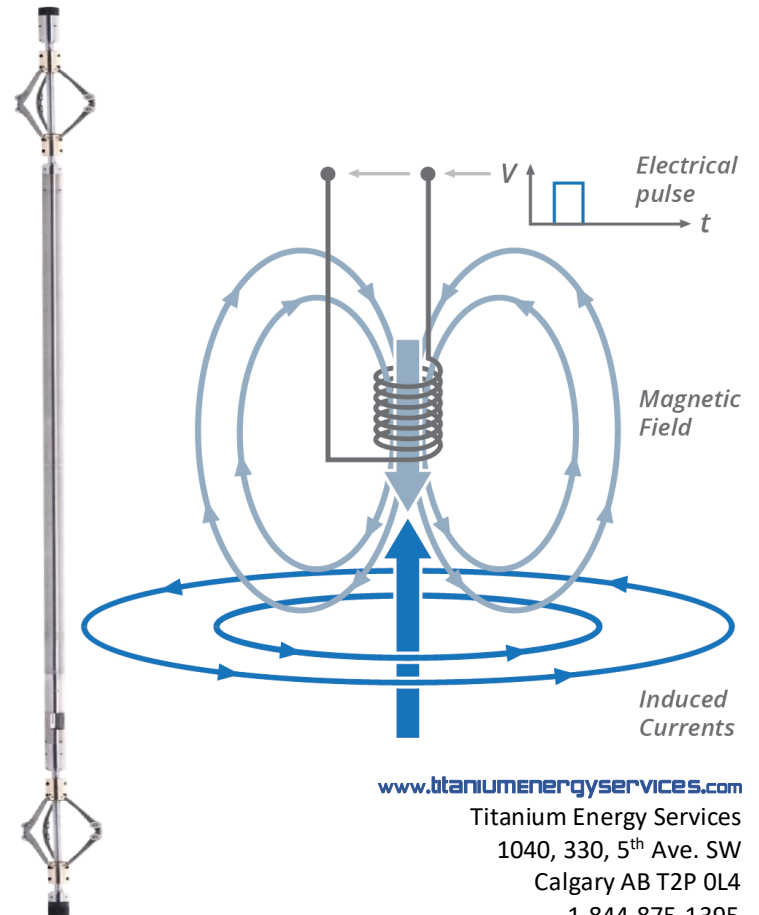
Combinable with Multi-Finger Caliper and GR-CCL - Borehole Temperature Tools to provide a comprehensive evaluation of inner and outer tubular conditions



Titanium

Specifications

	MTD43C-B	MTD43C-C
Maximum Pressure	14,503 PSI (100 Mpa)	14,503 PSI (100 Mpa)
Maximum Temperature	347 °F (175°C)	347 °F (175°C)
Diameter	1.69 in. (43 mm)	1.69 in. (43 mm)
Length	88.72 in. (2253.5 mm)	88.72 in. (2253.5 mm)
Weight	20 lbs(9 kg)	20 lbs(9 kg)
Maximum Logging Speed	16 ft/min (300 m/h)	16 ft/min (300 m/h)
Pipe String Measuring Range	2.362 in - 12.756 in (60 mm - 324 mm)	2.362 in - 12.756 in (60 mm - 324 mm)
WALL THICKNESS MEASUREMENT		
Single Pipe Measurement		
Pipe Wall Thickness	=0.4724in (12 mm)	=0.4724in (12 mm)
Measuring Accuracy	± 0.0197in. (0.5 mm)	± 0.0197in. (0.5 mm)
Resolution	0.0059 in. (0.15 mm)	0.0059 in. (0.15 mm)
Sensor Type	Coils	Coils
Double Pipe Measurement		
Pipe Wall Thickness	=0.984in (25 mm)	=0.984in (25 mm)
Measuring Accuracy	± 0.059in. (1.5 mm)	± 0.059in. (1.5 mm)
Resolution	0.0118 in. (0.3 mm)	0.0118 in. (0.3 mm)
Sensor Type	Coils	Coils
TEMPERATURE MEASUREMENT		
Minimum	32° F (0° C)	32° F (0° C)
Maximum	347° F (175° C)	347° F (175° C)
Accuracy	±1 °C	±1 °C
Resolution	0.01 °C	0.01 °C
Response Time	=2 sec	=2 sec
Temperature Probe	Platinum Resistor PT100	Platinum Resistor PT100
GAMMA RAY MEASUREMENT		
Dynamic Range	0-10000cps	0-10000cps
Measuring Accuracy	5%	5%
Resolution	1 cps	1 cps
POWER REQUIREMENTS		
Input Voltage	90 Volts (±10%)	18-36 Volts
Input Current Required	60mA - 130mA	250mA-350 mA
SIGNAL TRANSMISSION MODE		
Transmission Mode	Series Bus	CAN Bus



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