

3 1/2" Micro Electric Log Tool

Product Reference: 050-FD300-0000

The Micro Electric Log (MEL) Tool measures the resistivities of small volumes of formation near the wall of the wellbore. Three electrodes are spaced on a hydraulic pad mounted on a spring-loaded arm, which is tightly pressed against the side of the borehole.

The tool uses 2 distinct resistivity measurements, a 2-inch micro-normal and a 1 1/2-inch micro-inverse measurement, enabling two depths of resistivity investigation. Combined with an integral calliper, mudcake and fluid invasion can be readily determined.

Data is transmitted to surface in either analogue or Probe PTX digital format.



SPECIFICATIONS - 3 1/2" MICRO ELECTRIC LOG TOOL

Diameter	3 1/2"	8.9 cm	Mechanical:	
Length	106"	2.7 m	Top Connection	10 or 17 pin G0I type
Weight	215 lb.	98 kg	Bottom Connection	10 or 17 pin G0I type
Operating Voltage	100 VDC		Measurement Range:	
Operating Current	45 mA. DC		Caliper output	500-9000 mV
Limitations:			1 1/2" Micro Inverse Curve	0-500 Ωm
Maximum Pressure	15,000 psi	103 MPa	2" Micro Normal Curve	0-500 Ωm
Maximum Temperature	325°F	162°C	1 1/2" Micro Inverse Curve V. output	0-10 V DC
			2" Micro Normal Curve V. output	0-10 V DC

RELATED PRODUCTS

- 050-FE300-0000 4" Micro Electric Log Tool (option available)
- 055-IND01-000 Caliper Calibration Fixture
- 055-MELCB-0000 MEL Calibration/Check Box 0 Ω- 10 Ω

At Probe, we design, manufacture and service specialized modular downhole tools and systems. Our tools are used in formation evaluation, well integrity assessment and well productivity determination across the global energy industry.

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