

3 1/2" Micro Spherically Focused Laterolog



Product Reference: 050-PMSFL-0000

The Micro Spherically Focused Laterolog Tool (PMSFL) is a pad contact tool designed to give the user a resistivity of the flushed zone (R_{xo}).

This value of R_{xo} is used to correct the data from the HRDLL (High Resolution Dual Laterolog) for the effects of invasion. State of the art, self-calibrating DSP based electronics performs all measurement and control functions, eliminating the need for additional uphole circuitry, calibrations or downlink telemetry. The DSP based electronics also allows the tool to measure and present additional curves that closely emulate the measurements from the Micro-electrical Log (MEL) where the mud properties are suitable. Data is transmitted to the surface via our proven PTX telemetry at a rate of 20 times per second.

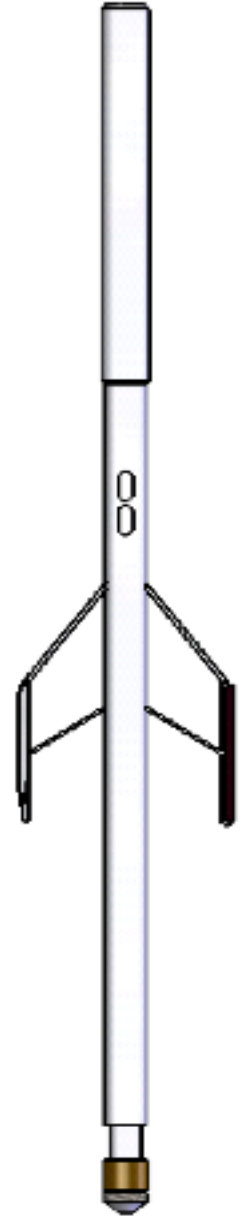
The PMSFL is designed to operate in a stack with an open-hole gamma module, a CNL (Compensated Neutron Log), a HRDLL (High Resolution Dual Laterolog) and any of our existing telemetry based tools.

SPECIFICATIONS – 3 1/2" MICROSpherically Focused Laterolog

Diameter	3 1/2"	8.9 cm	Mechanical:	
Length	128"	3.3 m	Top Connection	10 pin GOI type
Weight	125 lb.	57 kg	Bottom Connection	10 pin GOI type
Operating Voltage	100 VDC			
Operating Current	65 mA. DC		Measurement Range:	
Limitations:			Resistivity	0.02 to 10,000 ohm-meter
Maximum Pressure	15,000 psi	103 MPa	Caliper	6" – 16" 15 – 40.5 cm
Maximum Temperature	325°F	162°C	Vertical Resolution	10" 0.25m
			Depth of Investigation	3" 7.5 cm

RELATED PRODUCTS

- 050-PMSFL-0010 Text Box W/Cables



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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