

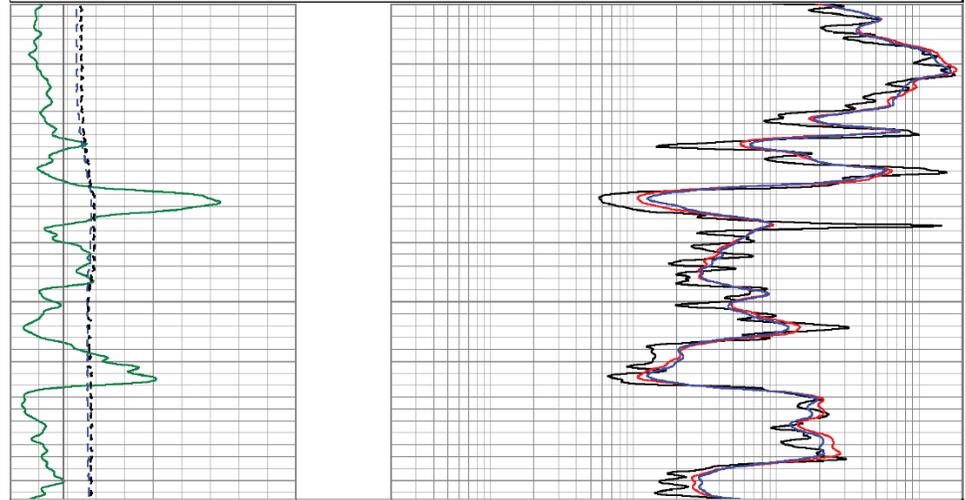


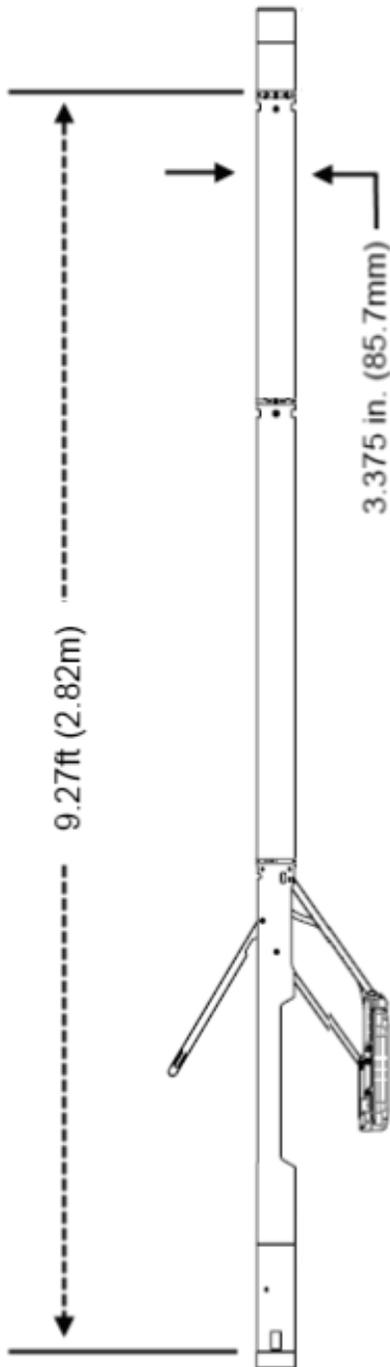
The MSFL is a pad mounted device and incorporates a focusing system to direct its measurement current into the formation. The placement of the measuring electrodes is such that it allows the tool to measure the flushed zone. The tool uses two fully independent caliper arms to force the pad against the borehole and output a hole diameter measurement as well.

Features

- Fully compatible with Ultrawire™ tools
- Fully independent tool that can be placed anywhere in the string
- MEL/MSFL use a common sonde body allowing the pads to be interchangeable
- Easy to transport – length less than 10 ft

0	GAMMA RAY (GAPI)	150	0.2	MSFL (Ohm-m)	2000
6	CALIPER (in)	16	0.2	LLD (Ohm-m)	2000
6	Bit size (in)	16	0.2	LLS (Ohm-m)	2000
6	MSFL CALIPER (in)	16			





Specifications		
Maximum OD	3 3/8 in	85.7 mm
Makeup Length	9.27 ft	2.8 m
Weight	194 lbs	88 kg
Maximum Temperature	302°F	150°C
Maximum Pressure	20 kpsi	137.9 Mpa
Minimum Hole	6 in	152 mm
Maximum Hole	16 in	406 mm
Sensor Offsets		
MSFL	1.91 ft.	0.58 m
Borehole Conditions		
Borehole Fluids	Fresh, salt	
Recommended Logging Speed	30 ft/min	9.1 m/min
Tool Position	Centralized/Decentralized	
Measurement		
Accuracy	MSFL: +/- 0.5% Caliper +/-3.8 mm Caliper: +/-0.15 in.	
Vertical Resolution	4 in	10.2 cm
Radial DOI (50 %)	4.0 in	10.2 cm
Measurement Range	0.2 - 200 ohm-m	
Primary Curves	MSFL	
Secondary Curves	MSFLCAL	
Hardware and Power Requirements		
HTool Bus	Ultrawire	
Power	18 VDC	165 mA

Specifications courtesy of GE-Energy

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