

3 3/8" Product Line

Micro Spherical Focused Laterolog

The Micro Spherical Focused Laterolog instrument measures the resistivity of the flushed zone of the borehole. A caliper measurement of the borehole is also provided. The electrodes of the MSFL are mounted on a caliper arm, minimizing borehole effects and ensuring a high vertical resolution. A high-conductivity mud is the preferred fluid in the hole for a MSFL.

Specifications

Diameter:	86/101 mm (3.39/3.98")	Sensors:	
Length:	3460 mm (136.2")	Resistivity:	Pad mounted Electrode Array
Weight:	93 kg (205 lbs)	Caliper:	Magneto-Resistive Sensors
Max. Temp:	175°C (350°F)	Measure Points (from bottom)	
Max. Pressure:	140 MPa (20 000 psi)	Min. Hole	653 mm (25.7")
Telemetry required:	yes	Max. Hole	716 mm (28.2")
Top Connector:	yes		
Bottom Connector:	yes		

Measuring Parameters

<u>Measuring Range:</u>		<u>Accuracy:</u>	
MSFL	0.2 to 2000 Ohmm	MSFL	±0.05 Ohmm +5% of measured value
Caliper	150 to 506 mm (6 to 20")	Caliper:	±5 mm (0.2")

Logging Parameters

<u>Recommended</u>		<u>Recommended</u>	
Min. Hole Diameter:	150 mm (5.9")	Logging Speed:	6 -9 m/min (1180-1770 ft/hr)
Max. Hole Diameter:	506 mm (19.9")	Sample Rate:	selectable

Displayed Standard Curves

RMSFL in Ohmm Microspherical Resistivity
Caliper in mm or inch Borehole Diameter

Combinability

With all other 3 3/8" instruments

