



## Next Generation EM MWD Tool

Parameter		φ6.5"
Telemetry		
Encoding Methods		BPSK and QPSK
Transmitting Rate		Up to 12 Bit/S
Signal Waveform		Sine Wave
Transmitting Power		Adaptive Adjustment Based on formation Resistivity
Formation Resistivity Range		0.1-2000 Ohm.m
Max. Operating Temperature		175°C
Min. Environment Temperature		MINUS 40°C
Max. Operating Pressure		20,000psi
Rotaton		Up to 210RPM
Vibration		30g, 30-500Hz
Shock		1000g, half MS, half Sine Shock
Max. Axial Load		1,000,000 lbs
Max. LCM Content		No Limits
Max. Sand Content		2%
Max. Flow Rate		535GPM
Max. Dogleg Severity		11°/30m for Slick Collar or 16-17°/30m for Flex Collar
Length of Transmittor Probe		75.50"
Length of Battery Probe		79.13"
Length of Directional Unit + Gamma Sensor Probe		71.64"
Length of Bullnose		6.8"
Gap Sub Length		37.875"
Gap Sub ID		3.135"
Gap Sub OD		6.5"
Connection Makeup Torque		23,000 ft lbs
Tool Length		Min. 233.07" Max. 312.2"