

# TURBINE GENERATOR

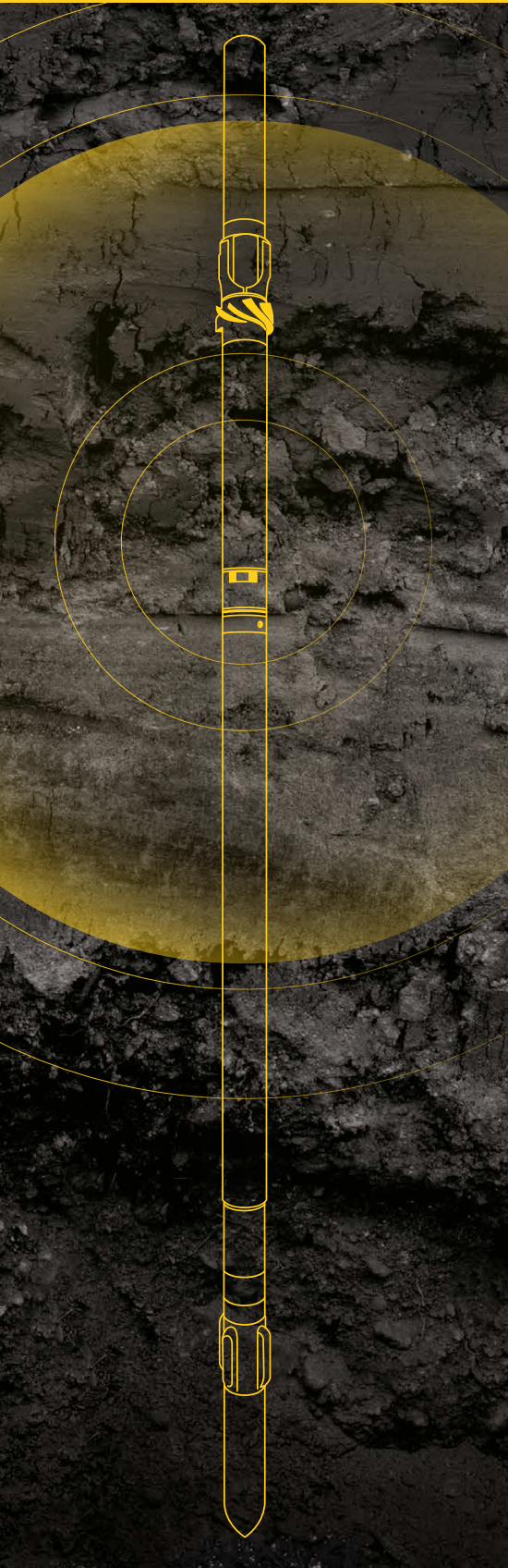
The RMS turbine generator is a probe-based power source for MLWD systems that can be configured for multiple collar sizes.

The turbine generator can provide up to 150 watts of power, negating the need for expensive, short-lived, and disposable batteries. It provides a reliable, cost-effective solution to downhole power requirements. The RMS turbine generator is fully compatible with APS and Geolink style MWD systems, and a retrievable/replaceable flow sleeve option allows use with standard Tensor systems.





# POWERED BY DRILLING FLUID



## TECHNICAL SPECIFICATIONS

Tool Size	4 3/4" [121 mm]	6 3/4" [171 mm]
Power Output	150 Watts	
Output Voltage	32 VDC	
Operating Pressure	20,000 psi [137 MPa]	
Operating Temperature	302 °F [150 °C]	
Survival Temperature	347 °F [175 °C]	
Shock	1000g 0.5mS half sine	
Vibration	20G RMS 30-300Hz	
Mud Density	8 – 16 ppg [0.95 - 1.92 S.G.]	
Sand Content	Maximum 0.5%	
Operating Speed	3,000 – 4,500 RPM	
Barrel Outer Diameter	50.8 mm (2.00 inch) maximum; 47.63 mm (1-7/8 inch) at connections	
Barrel Connection	Legacy 6P/4S connection (uphole); Legacy 4P/6S connection (downhole)	
Estimated MFPWR Power Consumption	Approx. 5 Watts (250mA @ 17V = 4.25Watts)	
Flow Rate	150 gpm (min) – 350 gpm (max) [560 lpm (min) – 1325 lpm (max)]	300 gpm (min) – 700 gpm (max) [1136 lpm (min) – 2650 lpm (max)]

Imperial UOM [Metric UOM]

Remote Measurement Systems Limited is a subsidiary of NewTech Services Holding Limited, an international oilfield services company founded in 2009.

NewTech Services Holding Limited develops technology and expertise within 4 Business Divisions: Drilling Services, Completion Systems, Integrated Project Management, and Capital Equipment.

NewTech Services Holding Limited supplies technology products and services to the oil and gas exploration and production industry in Russia and CIS, Europe, Middle East, North and South America. Remote Measurement Systems Limited is a subsidiary of NewTech Services Holding Limited specializing in innovative drilling technology products such as MWD/LWD.

[www.fr-intl.com](http://www.fr-intl.com)



**Remote Measurement**  
Systems

[www.remotemeasurementsystems.com](http://www.remotemeasurementsystems.com)  
+44-1224-781257