PRODUCT SPEC SHEET

SCI-DRIVER™ NEAR BIT SMART MOTOR

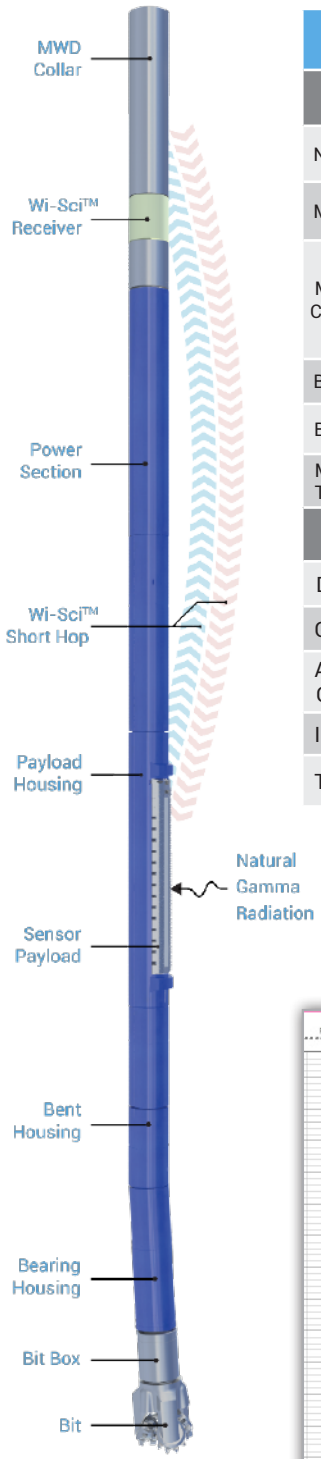
Scientific Drilling's Sci-Driver™ Near Bit Smart Motor is a positive displacement mud motor housing an electronic payload that provides azimuthal gamma ray, inclination, RPM and vibration measurements close to the bit, making it the ultimate geosteering solution.

DELIVERING THE ULTIMATE VALUE

- Standard PDM mud motor with electronic payload
- Innovative electronic payload, delivering high-accuracy azimuthal gamma ray and continuous inclination, RPM and vibration measurements 9 ft (2.74 m) from the bit
- Data transmitted to surface real-time via Wi-Sci™ Short Hop and SDI's Falcon MWD

TARGET APPLICATIONS

- Geosteering
- Tight Trajectory Control
- Complex SAGD Applications
- Early Payzone Detection
- Kickoff Point Identification
- Casing and Coring Point Selection
- Early Monitoring of Motor Yield



TECHNICAL SPECIFICATIONS

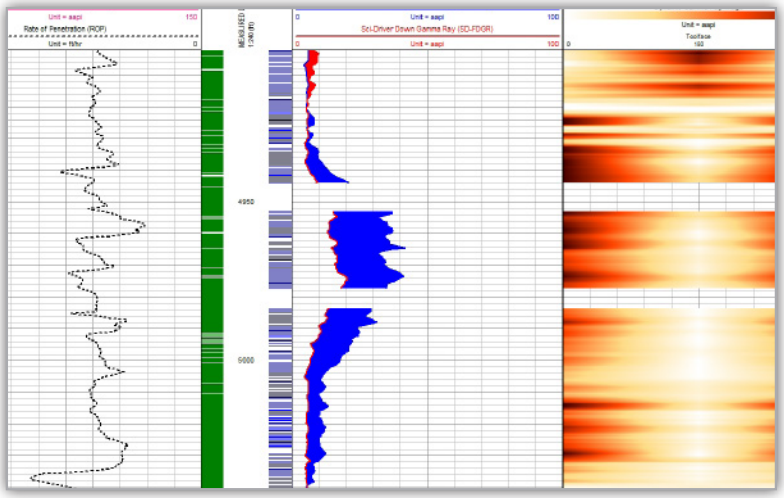
GENERAL SPECIFICATIONS

Nominal Tool OD	4.75 in (120.7 mm)	6.5 in (165.1 mm)	8 in (203.2 mm)
Max. Tool OD	5.4 in (137.2 mm)	7.2 in (182.68 mm)	8.6 in (218.4 mm)
Motor Configurations	7:8, 3.8, 36.9 ft (11.25 m)	7:8, 5.0, 41.25 ft (12.5 m)	7:8, 4.0
Bit Box to Bend	3.3 ft (1.0 m)	4.4 ft (1.3 m)	5.1 ft (1.5 m)
Bit to Sensor Distance	9.0 ft (2.7 m)	10.6 ft (3.2 m)	12.7 ft (3.9 m)
Max. Operating Temperature	280° F (138°C)		

MEASUREMENT SPECIFICATIONS

Detector Type	Nal Scintillation Crystal
Gamma Range	0-1,000 AAPI
Azimuthal Gamma Bins	2
Inclination Accuracy	±0.15° all angles
Telemetry Update Rate	8 - 14 seconds

Specifications are subject to change without notice



Example Azimuthal Gamma Ray Plot

Updated June 2017

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