

NVADER Pulser

RUGGED RELIABILITY



HIGHLY INTELLIGENT

NVADER utilizes the same Patented Telemetry Technology held with the Driver Control Module of our 180C Pulser to precisely actuate the rotary valve and offer recordable feedback of a run and maintenance history.

INCREDIBLY EFFICIENT

Driven by efficiency, the Telemetry Brushless DC Motor has only two moving parts and is designed to operate entirely within hydraulic lubricant, which extends the bearing life and conducts heat from the motor. This high efficiency increases battery life and greatly reduces heat generation, leading to improved performance at higher temperatures and overall cost savings.

EXTREMELY RELIABLE

Our Core of Reliability is sustained by Telemetry rugged 10-pin rotary connectors for proven dependability in extreme down-hole conditions. The monolithic design ensures consistent, trouble-free performance in high-pressure, high-temperature, and high-vibration environments. Extremely easy to use, these connectors virtually eliminate field operator error during tool assembly and ensure constant reliable communication between all components within the MWD string.

RUGGEDLY DESIGNED

NVADER was designed specifically to combat high LCM environments using its powerful gearbox and rotary shear valve to chew through even the toughest materials. This bottom end is not prone to clogging and can operate in Flow Rates varying from 132 gpm - 1000 gpm.

EASY TO SERVICE

As with the Telemetry products, the entire system and each of its components is modular to ensure ease of service and compatibility with existing systems. Pick up a brochure for more detailed information and specifications on individual Telemetry components.

SPECIFICATIONS

Survey Time @1.5sec DR: 2 1/2 minute

Battery Life: ≈1200 surveys on demand (low warning indicator)

Collars for Retrieval: 58mm (2 1/2') minimum

Inclination: 0° - 180°, 0.1° accuracy

Azimuth: 0° - 360°, 1° accuracy

Dip Angle: 0° - 90°, 0.1° accuracy

Data Storage: 3264 surveys

Flow Rates: 0.5m³ - 4.0m³ (132gpm - 1000gpm)

Data Range: 1.5 seconds

Gamma and Tool Faces: Fully Capable

Remote Operation: Fully Compatible with WITS

Wireline Retrievable: Yes

LCM: Designed for high tolerance to LCM

Operating Voltage Range: 17-36 VDC

Idle Current: 10-12 mA @26 VDC

Operating Temperature: 350°F (180°C)

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