PRODUCT SPEC SHEET

PRESSURE WHILE DRILLING (PWD)

Scientific Drilling's Pressure While Drilling (PWD) system utilizes a combined annulus and drill pipe pressure sensor to provide accurate pressure data in high-risk environments. This cost-effective solution delivers real-time measurements, allowing early detection for a wide range of operations.

SDI's PWD system is engineered to run with our Falcon EM or MP MWD to measure and monitor critical annulus, pipe pressure and temperature during drilling operations, as well as tripping out. Measurements are field configured for flexibility and maximum data density. Each of these systems can deliver high-resolution logs, allowing accurate monitoring and analysis so you can make faster and more reliable decisions.

DELIVERING THE ULTIMATE VALUE

- Ideal for a variation of wells, ensuring optimal tool performance in any environment
- Specially designed to deliver a wide range of real-time annular, pipe pressure and temperature near-bit measurements
- Ability to run in high-speed real-time, or memory output, providing operational versatility
- Designed to supports all of SDI's MWD systems, enabling real-time data transmission for a wide range of operations

TARGET APPLICATIONS

- Pressure Swab/Surge Avoidance
- Kick & Water Flow Detection
- Equivalent Circulation Density (ECD) Monitoring & Calculations
- Hole Cleaning Monitoring
- Underbalanced Drilling
- Pressure Drop Monitoring
- Formation Fracturing and Mud Loss Reduction
- Wellbore Instability Reduction
- Annular Pressure Monitoring
- Pipe Washout Detection
- Formation Integrity Testing
- Formation Fluid Influx Detection

TECHNICAL SPECIFICATIONS	
GENERAL SPECIFICATIONS	
Optional Sensor Pressure Ranges	0 - 5,800 psi (0 - 39,900 kPa) 0 - 14,500 psi (0 - 99,974 kPa)
Resolution	0.1 psi (0.69 kPa) increments
Sensor Accuracy	± 0.1%
Temperature Rating	302°F (150°C)

Specifications are subject to change without notice

Updated May 2016

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