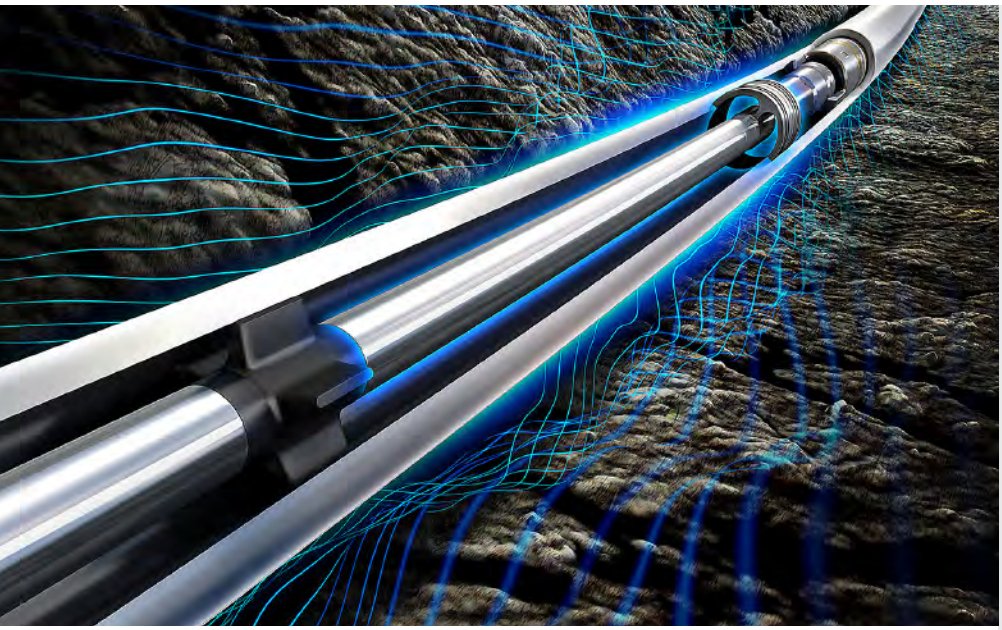
PWD

PRESSURE WHILE DRILLING

TECHNICAL DATA SHEET



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.

This 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.

For more information on improving your drilling efficiency [while staying on target] contact your Scientific Drilling sales representative or visit: **http://scientificdrilling.com/mwd**

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	347°F (175°C)

*Specifications are subject to change without notice

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

BENEFITS

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