

PRESSURE DURING DRILLING

MWD REAL-TIME BORE & ANNULAR PRESSURE SERVICE

Adding the PDD sensor to the MWD system provides accurate bore and annular pressure data in real-time and in high-resolution memory. This supports many valuable applications to optimize drilling and minimize risks.

APPLICATIONS

- Real-time ECD monitoring
- Swab/surge monitoring to optimize tripping speed
- Hole cleaning / cuttings load monitoring
- Pack-off detection
- Underbalanced drilling control
- Drill pipe washout detection
- Early kick detection and control
- Lost circulation detection
- Mud motor performance monitoring and optimization
- Mud rheology control



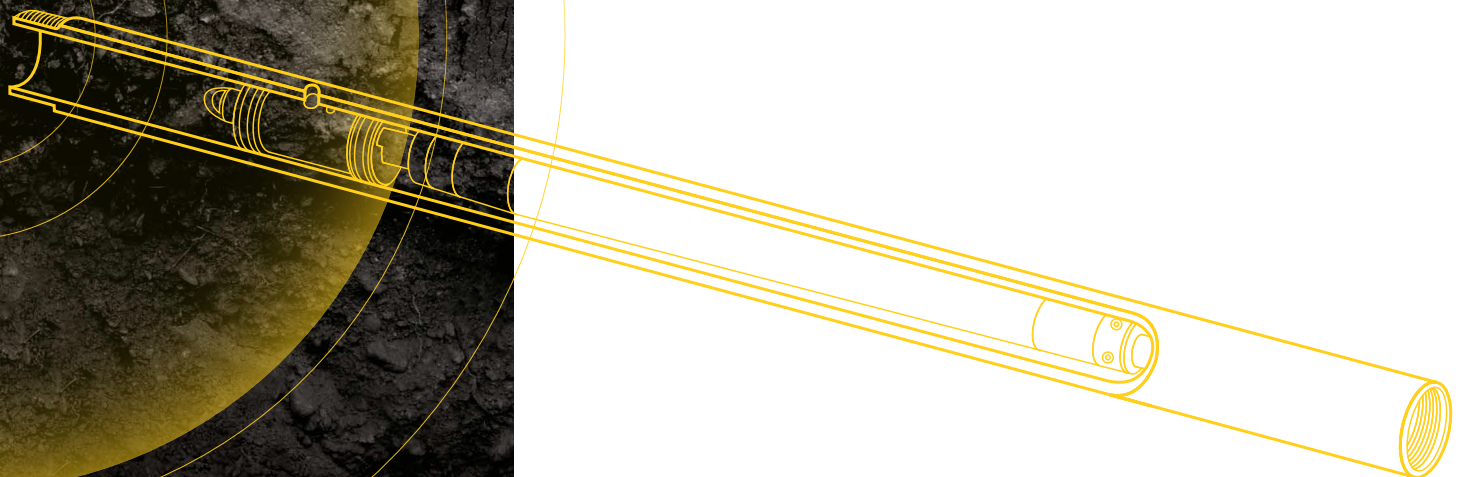
PRECISE ANNULAR PRESSURE CONTROL

TECHNICAL SPECIFICATIONS

Tool Size	4 3/4" [121 mm]	6 3/4" [171 mm]	8 1/4" [209 mm]
Measurements	Circulating Annular and Bore Pressure, Static Annular Pressure*		
Measurement Range	15,000psi / 20,000psi - option [0-100 MPa / 0-137 MPa - option]		
Accuracy	+/- 0.25% of full scale		
Repeatability	+/- 3 psi [+/-21 MPa]		
Max Temperature	302 °F / Option 347 °F [150 °C / Option 175 °C]		
Corrections	4th order temperature correction of bias and scale factor		
Averaging Time	Adjustable from 1sec - 30sec		
Update Time	Adjustable from 1sec - 30sec		
Memory	512MB of non-volatile memory		
Power Source	Voltage Input 20V to 48V		

Imperial UOM [Metric UOM]

*Integrating with TVD from MWD surveys allows the static and circulating annular pressure values to be displayed as pressure (psi or MPa) or equivalent mud weight (ppg, S.G., or kg.m³)



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.

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