KEYDRILL PRESSURE WHILE DRILLING MODULE (KPWD)

Overview:

Downhole mud pressure is one of the most important pieces of information the driller can have to gain a sense of what is happening while drilling. The KeyDrill Pressure While Drilling tool (KPWD) measures the annular (APWD), drill pipe (IPWD) and differential (DPWD) pressures, as well as the downhole temperature (ATMP) during no-flow, drilling, wiping, or tripping out of hole. It allows the driller to "see and feel" the dynamic behavior of the drilling fluid. With this crucial information, the driller can make better decisions in real-time to improve drilling efficiency. Rig safety is also improved by helping to avoid potentially dangerous well control problems. The KPWD can be used in many applications including underbalanced, extended-reach, high pressure, high temperature drilling and deep-water wells.

Features:

- Retrievable configuration.
- Available with Mud-Pulse MWD and EM MWD.
- Compatible with conventional mud pulse MWD.
- Static pressure reading during pumps off.
- Wide pressure range.
- Real-time or memory output.
- High accuracy and reliability.

Applications:

- Detection of kick, sticking, swabs and surges.
- Equivalent Circulation Density (ECD) measurements.
- Monitoring hole cleaning.
- Reservoir pressure management.
- Monitoring pressure drops across mud motor and bit.
- Reducing wellbore instability.
- Early detection of pipe washouts.

Specifications:

Nominal Sub OD:	4.75" | 6.50" | 8.0"
Connection:	3-1/2IF | 4-1/2IF | 6-5/8Reg
Operating Temperature:	-40°C to 175°C
Resolution:	1psi
Accuracy % of Full Scale:	<0.2%
Max Hydrostatic Pressure:	20,000psi (137.9 MPa)
Operating Voltage:	20 – 38 Voltage
Shock:	1,000G/0.5 ms
Vibration:	20g RMS 30-500Hz Random
Mud Sand Content:	<1% recommended
Length:	25" Shoulder to Shoulder
OD:	1.875"

KEYDRILL
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