

Pressure While Drilling

The Pressure While Drilling System for HDR provides real time Annular and Pipe Pressure for improved drilling efficiency by transmitting reliable downhole pressure information. The PWD sensor provides both real-time and recorded measurements of annular pressure, internal pressure, and temperature. The Logging While Drilling (LWD) data can be plotted along with other surface and downhole measurements for a more complete overview of the wellbore conditions.

The PWD sensor also detects changes in the drilling fluid so that operating parameters can be modified to improve hole cleaning efficiency. The PWD sensor can provide early detection of well flows and kicks where changes in the real-time pressure can alert operators much sooner than traditional surface detection sensors.

FEATURES

Real-time down-hole pressure monitoring to improve drilling optimization and reduce expenses

High accuracy, full scale pressure transducer

Fully programmable parameters and data resolution to optimize telemetry performance

Can be broadcast to surface using HDR Dual Telemetry

Fully retrievable

SPECIFICATIONS

COLLAR SIZES AVAILABLE	3.0" to 9-5/8"
TOOL LENGTH	0.89m (2.91 feet)
TEMPERATURE RATING	350F
TRANSDUCER RATING	15,000 to 29,000 psi
ACCURACY	0.1%
RESOLUTION	1 psi
DETECTOR TYPE	Silicon or Silicon Integrated Sensor

