Overview:

The KeyDrill Gyro While Drilling (GWD) System offers a revolutionary approach to downhole navigation, providing precise and reliable real-time wellbore gyroscopic surveys while drilling, unaffected by magnetic interference. This innovative technology ensures accurate trajectory control, enabling smooth and efficient drilling operations.

Key Features:

- Compatibility
 - Works with most MWD systems by using the Q-Bus communication protocol.
 - Supports different setups:
 - KeyDrill Mud Pulse System (Standalone)
 - KeyDrill Hybrid EM & MP System (Standalone)
- Optimized for Drilling
 - Ideal for vertical and high-angle drilling
 - Improves accuracy in whipstock orientation and anti-collision situations.
- Easy Add-On Plug-and-Play Module Options
 - Resistivity
 - MWD Directional Module
 - Azimuthal Gamma and Pressure While Drilling sensors
 - Rotary Steerable System (RSS)
- Fully Retrievable
 - Designed for easy recovery and redeployment, reducing downtime.
- Cost-Efficient
 - Reduces the need for multiple single-shot gyro runs and lowers the risk of stuck equipment.
 - Saves rig time and costs while maintaining precision.
- Durable Design
 - Built for tough conditions, making it perfect for challenging jobs like perforation and milling.
 - Approved by major drilling companies and operators.

Benefits:

- No Magnetic Interference: Works without being affected by magnetic fields, ensuring consistent data.
- **Real-Time Adjustments:** Built-in accelerometers allow for quick course corrections during drilling.
- Efficient Design: Combines multiple functions into one tool, lowering costs and downtime.

Applications:

- Vertical and Deviated Wells: Works well for different well angles.
- Offshore Platforms: Reduces collision risks in multi-well setups.
- Whipstock and Anti-Collision: Ensures precise drilling where accuracy matters.

The **KeyDrill GWD System** is a reliable, precise, and efficient solution for top-tier drilling operations, helping companies boost performance and stay competitive.

Specifications:

Inclination: 0.10° @ <70° inclination
Azimuth: 0.1°
Gyro/Roll ToolFace: 0.5°
Surveying Time: 20 seconds (Standard)
Operational Temperature: 0°C - 110°C
Pressure Rate: 20K PSI
Tool OD:
Length:
Shock: 200g, 1/2 sine 1mS
Vibration: 18g rms, 20-1,000Hz random



