

Overview:

KeyDrill has successfully tested its Hybrid EM-MWD system. The system integrates our advanced Mud Pulse MWD system with our newly developed, rugged, and reliable Electro-Magnetic (EM) MWD system. The combined integration achieves the hybrid capabilities of both electromagnetic and mud pulse data transmission. This tool uses the most advanced and state-of-the-art electronics, then adds additional measurement capabilities to deliver unparalleled performance. Our Hybrid EM-MWD assures that the data can be transmitted to the surface fast and efficiently when lost circulation zones, underbalanced drilling, or formation anomalies present challenges for Mud Pulse or EM systems individually.

Features:

- Retrievable Hybrid-MWD tool.
- Run both EM-MWD and Mud Pulse MWD systems simultaneously.
- Separates easily to run as a standalone EM MWD or standalone Mud Pulse MWD system.
- Supports Survey-only EM data transmission to expedite survey time during connections.
- Field Operator customization includes programmable data sequences.
- 40 Watts Power Output Capability!
- Multiple voltage selections may be adjusted via downlink.
- Standard battery powered.
- Supports multiple batteries when necessary and supports dedicated EM power sources.
- Sleep modes are available during trips in the hole or transportation to site to conserve batteries.
- Power management and conservation options available
- Plug and Play - designed to integrate with the most current mud pulse systems in the market.
- Easily integrates with third-party tools such Rotary Steerable tools, Resistivity tools, Azimuthal Gamma tools, annular pressure tools, and many more.

Applications:

- Air drilling
- High-speed drilling
- Underbalanced drilling
- Lost circulation or low-pressure zones



