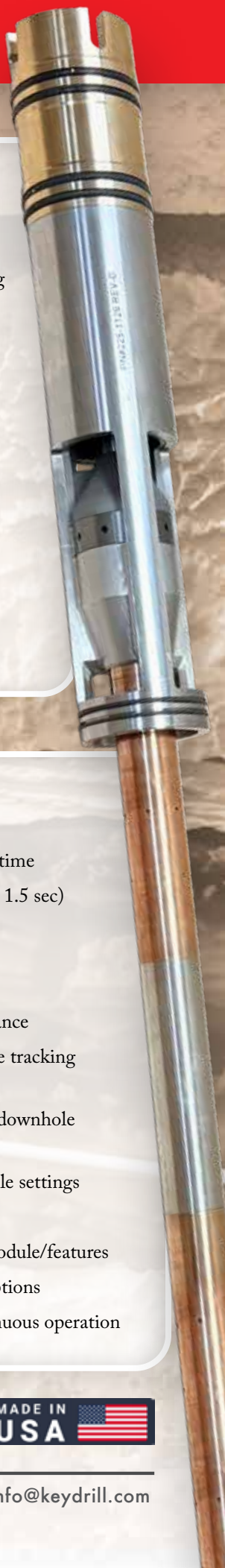
KEYDRILL TOP MOUNT PULSER



Overview:

The KeyDrill Top Mount Pulser (TMP) is a servo-controlled system engineered for reliable performance in demanding drilling environments. Its design delivers excellent power efficiency and rapid valve response, enabling higher data rates while reducing impact on battery life.

A built-in self-clearing function keeps the valve assembly moving, even in high-LCM conditions, while the hall sensor failure mode ensures continuous operation if one or more hall sensors fail—eliminating unnecessary trips.

The pulser's onboard flash memory stores up to 800 hours of circulation data, including detailed numeric records such as pulse information, temperature, battery voltage, and flow sensor readings.

Cost-effective and versatile, the TMP integrates seamlessly with additional tools such as Resistivity and Rotary Steerable systems, making it a valuable choice for long, deep tool runs. Integration of the KPWD module can be easily completed during shop servicing.

For compatibility, the TMP can be customized with a range of connections—including Rotary, Lemo , and Deutsch—to fit your existing MWD fleet.

Specifications:

Tubular Sizes	Flow Rate Range
4.75"	150 – 370 GPM
6.5"	250 – 700 GPM
8.0"	400 – 1200 GPM
Max Operating Temp	175°C (350°F)
Hydrostatic Pressure	options: 20, 25 & 30 kpsi
Operating Voltage	23-40Vdc
Nominal Current	10 mA idle, .25 A peak/pulse
Shock	100g/0.5 msec
Vibration	30g 50-300 Hz Sine
LCM Allowable	50 lbs/bbl Med Nut Plug
Mud Sand Content	up to 2%
Length (End to End)	65.5" (Kintec)
Weight	63lbs

Features:

- Designed for quick valve response time
- Programmable pulse width (.375 – 1.5 sec) and amplitude
- Rugged design for today's extreme drilling conditions
- Simple design for ease of maintenance
- On board memory for performance tracking and analysis
- Unique firmware that responds to downhole tool issues
- 3-axis flow detection with adjustable settings
- Better cold weather performance
- Can be integrated with KPWD module/features
- Piston or bladder compensation options
- Hall sensor failure mode for continuous operation

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