

Neutrino™ Top Mount Pulser

One Pulser, One Well



FEATURES



Change Hole and Orifice sizes in minutes directly in the field saving time and money.



Integrate to any Sonde based MWD system



The innovative valve and multi-slot screen design enables the utilization of a high amount of LCM



Our TMP reduces the number of tools and parts needed for reliability and cost efficiency



Proprietary design allows unrivaled battery life while sending 4 times more data than legacy Top Mount designs



HIGH QUALITY DESIGN

The Wolverine Top Mount Pulser was engineered to traverse the entire wellbore while delivering rapid pulses for high-speed telemetry, even in environments with substantial lost circulation material (LCM).



HIGH SPEED

The Neutrino™ TPM was designed with a pulse width capable of ultrahigh speed telemetry and data rates. Capable of 10 bits/sec @ a 0.064 sec/pulse when ran with Neutrino™ high speed telemetry.

40%

LESS POWER
consumption due
to revolutionary design



SPECIFICATIONS



| Tool Size (OD) | 4 3/4" | 6 1/2" - 6 3/4" | 8" |
|---------------------|---|----------------------|----------------|
| Connection Uphole | 3 1/2" IF (NC38) Box | 4 1/2" IF (NC50) Box | 6 5/8" Reg Box |
| Connection Downhole | 3 1/2" IF (NC38) Pin | 4 1/2" IF (NC50) Pin | 6 5/8" Reg Pin |
| Pin ID | 2 1/2" | 3" | 3 1/4" |
| Flow Range | 200-500 GPM | 300-800 GPM | 400-1000 GPM |
| Orifice/Collar Size | Orifice size is configurable on the rig site. | | |
| Battery Life | 486hrs @ 2 bits/sec 552hrs @ 0.5 bits/sec | | |
| Operating Voltage | 24-34 VDC | | |
| Max Pressure | 20,000 psi | | |
| Max Temperature | 150° C | | |
| LCM Tolerance | 80 lbs/barrel | | |



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