

Lower Seat Key High Temperature Mud Pulse Generator

High temperature, easy maintenance, high reliability choice

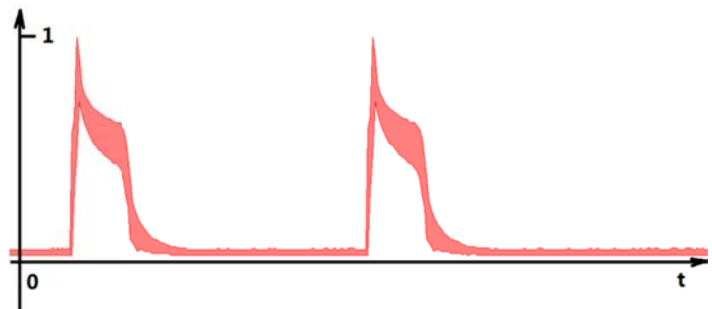
Mud Pulse Generator Profile

CNPS lower key high-temperature mud pulse generator is a mud pulse generator independently developed to adapt to the mainstream MWD instruments in the market. It has the advantages of high temperature resistance, low power consumption, easy maintenance, high reliability, unique demagnetization module, etc. The first-level maintenance period is 800h, which is a choice of cost-reducing and efficiency-increasing instrument.

As a part of the CNPS high-temperature MWD system, CNPS lower key high-temperature mud pulse generator is the transmitting part of the downhole mud pulse signal. The mechanical structure is flexible and reliable, and the internal pressure balance mechanism is piston type. The default mechanical structure is hard connection of 4/6-core connector, which can provide soft connection cooperation scheme of 10-core self-locking connector. The driver can choose large capacitor bank or PWM control scheme, and has a built-in demagnetization circuit. After the electromagnet is powered off, it can quickly reverse demagnetization, so that the electromagnet core and the shell can be reliably disconnected, ensuring the reliability of underground work.

Performance Index

Parameter	Index
Length	1428mm
Weight	9kg
Temperature	150℃
Pressure	20000psi
Working Voltage	DC 28V
Impact	1000g 0.5ms 1/2 sine
Vibration	20g RMS 30~500 Hz random
	25g 50~300Hz sine
Rated current	20mA(static) 200mA(hold)



Normalization curve of pulser action current

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Schematic Diagram of Mud Pulse Generator

