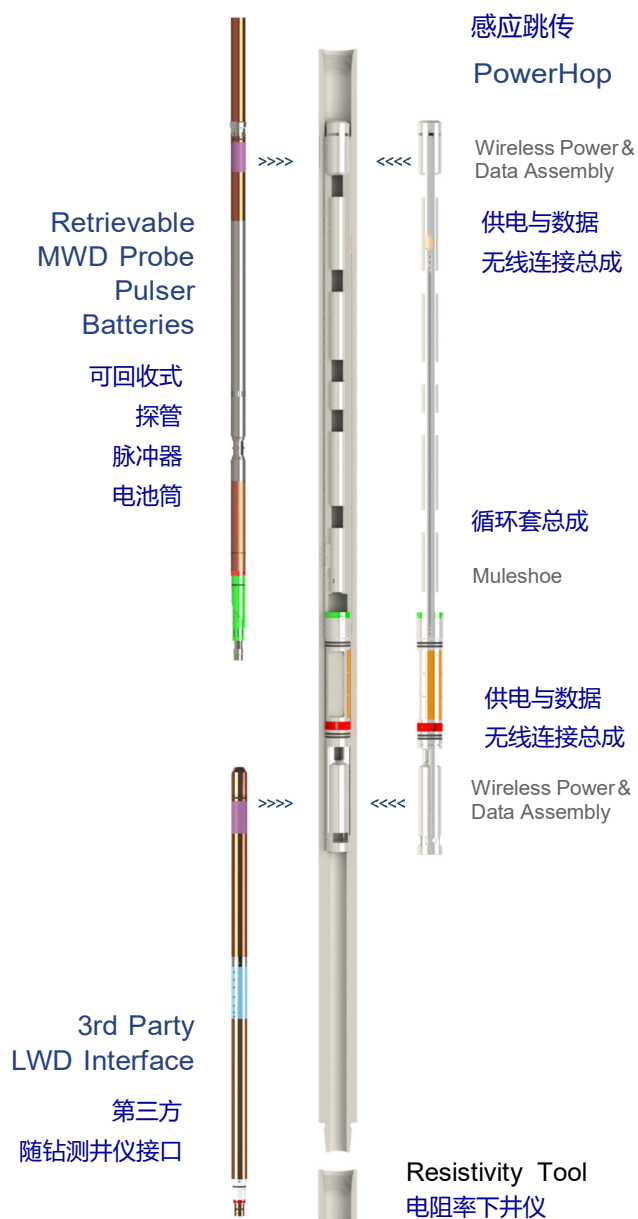


Enteq PowerHop 恩泰克感应跳传技术

Wireless Power & Data Downhole Connectivity 无线供电与数传的井下连接



PowerHop seamlessly and without any connection wires, integrates any 3rd party collar based resistivity, LWD sensor or device to a retrievable standard bottom mount pulser MWD string, enabling a simple, safe and efficient rig-up. 感应跳传 PowerHop 无缝连接, 无需任何连接线, 将任何第三方钻杆连接的电阻率、随钻测井仪或设备配接到可回收的标准的下座脉冲器构成的随钻测井仪器串上, 实现了简单、安全、高效随钻测井服务

Advantages 优势

- MWD & LWD sensors immediately above motor 螺杆钻具之上实现随钻测井仪的快速连接
- Simple & safe rig up for Resistivity / LWD, saving Rig Time 随钻测井仪的连接简单, 安全, 高效
- Retrieval MWD & Batteries 随钻测量仪与电池筒可回收式
- Power efficiency for continuous operation 无线电源供电高效连续作业
- Compatible with all MWD / LWD systems 兼容所有随钻测量与随钻测井系统

Features 特点

- Wireless efficient power & data connection 高效电源与数据的无线连接
- Fully integrated with Tensor Centerfire Resistivity and WRT Azimuthal Resistivity tools 完全兼容 Tensor 电阻率与 WRT 方位电阻率下井仪
- LWD connection below pulser 随钻测井仪连接在脉冲器下方
 - 3rd party LWD / Resistivity tool 第三方随钻测井仪/电阻率仪器
- Powered by retrieval batteries 由可回收式电池筒供电
- RS-232, RS-485, CAN bus and Q-bus communications 总线通讯形式



Specifications 技术指标

Tool Size OD 外径	4.75", 6.75", 8"
Length 长度	150"
Weight (inc. Saversubs) 重量	534 lbs
Length (inc. Saversubs) 长度	182"
BOX up Connection 母扣	NC-40
PIN down Connection 公扣	NC-40
Max OD 最大外径	5.25"
Max Flow Rate 最大流量	300 gpm
Operating Pressure 作业压力	20,000 psi
Operating Temperature 作业温度	175 °C
Operating WOB 作业钻压	25,000 lbs
Make-up Torque 连接扭矩	10,000 ft-lb
Dogleg severity Sliding 滑动钻进狗腿度	25°/100'
Dogleg severity Rotating 组合钻进狗腿度	15°/100'
Max Vibration 最大震动	30 grms, 10-500Hz
Max Shock 最大冲击	500G, 0.5ms
Mud Type 泥浆类型	Water Base, Oil Base, or Synthetic Base
LCM 循环颗粒物	40 lbs/barrel of medium nut plug
Max Sand Content 最大含沙量	< 1%
Power Transfer 传输功率	15w
Communications Data Rate 通讯速率	1,000 bits/sec

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Useful links

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 Repair Services: www.enteq.com/mwd-support-services