

GS-LWD 无线随钻测量系统

GS-LWD Logging While Drilling System

GS-LWD 无线随钻测量系统，技术成熟，性能可靠；泥浆发电机供电，正脉冲传输；上悬挂设计，可下接多种 LWD 工具；创新低功耗测斜技术，实现高精度测量。

特点 Features

- 使用泥浆涡轮发电机供电，连续工作时间长，作业稳定可靠
 - 系统扩展性能好，可挂接多种 LWD 工具
 - 泥浆正脉冲技术，传输距离远，信号强度高
 - 与同类设备兼容性好，模块及备件可互换
 - 仪器规格齐全，适应不同规格井眼施工
 - 可选配低功耗静态测斜模块
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- Powered by downhole mud alternator
 - Combines long-lasting working span and reliable performance
 - High extendibility , could mount multiple LWD tools
 - Positive pulse transmission technology, long transmission distance with high signal strength

- High compatibility, modules and parts can be used to the similar tools
- Full range of specifications to satisfy varied field operation

技术参数 Specifications

测量精度 Accuracy	
井斜 Inclination	$\pm 0.1^{\circ}$
方位 Azimuth	$\pm 0.3^{\circ}$ (井斜: 90°) $\pm 1^{\circ}$ (井斜: 10°)
工具面 Toolface	$\pm 0.5^{\circ}$
温度 Temperature	
工作温度 Working Temperature	$-40^{\circ}\text{C} - 150^{\circ}\text{C}$
存储温度 Storage Temperature	$-50^{\circ}\text{C} - 165^{\circ}\text{C}$
其他 Other	
最大信号传输距离 Transmission Distance	$> 6,000$ 米 $> 6,000$ M
最高耐压	20,000Psi/138MPa

Pressure Rating	
震动 Vibration	20G rms 5-1000Hz
冲击 Shock	1000G 1ms half sine wave

仪器规格 Series

规格 Series	Super Slim	350	650	1200	
钻铰外径 OD	3-1/2" 89mm	4-3/4" 121mm	6-3/4" 171.5mm	8" 203.2mm	9-1/2" 241mm
钻铰内径 ID	2.3" 58.42mm	2.815" 71.44mm	2.815" 71.44mm	3-1/4" 82.55mm	3-1/4" 82.55mm
连接扣型 Connection	211×210	311×310 3-1/2 " IF	411×410 4-1/2 " IF	631×630 6-5/8 " REG	731×730 7-5/8 " REG