

Stick-slip Vibration Measurement Sub

■ Introduction

Stick-slip Vibration Measurement Sub, can measure, analyze, record and transmit axial vibration, lateral vibration, stick-slip grade and other parameters in real-time . The tool evaluates downhole drilling safety and provides real-time warning of possible damage to MWD and other downhole instruments. By uploading vibration and stick-slip data in real time, the operation mode can be adjusted in time to maximize drilling efficiency while ensuring drilling safety.

■ Features

- Independent R&D with magnetic communication patent technology.
- Compatible with kinds of MWD.
- Low power consumption, ensure the original operating time.
- Provide standard protocol interface. It can be customized.

■ Application

- Safety monitoring of downhole operation.
- Downhole pressure control system.

■ Specification

• Operating Temperature	150°C / 302°F	
• Rotary speed range of the tool	0 to 300RPM	±1RPM
• Rotary speed range of Stick-slip	0 to 1500RPM	±2%
• Sampling period of Stick-slip	10s(settable)	
• Measurement range of triaxial vibration	0 to 120g	±1%
• Sampling frequency of triaxial vibration	100Hz	
• Sampling period of triaxial vibration	10s(settable)	
• Memory interval	10s(settable)	
• Memory size	128Mb	

