

VMM* Vibration Memory Module

VMM Specification	
Physical Parameters	
Length (directional sensor + VMM) 69.8in. (1,773 mm)	
15.8 in. (401 mm) longer than standard MWD sensor	
Outside Diameter 1.875 in. (48 mm)	
Measurement	
Measurement Devices 4 ± 250 g Accelerometers	
Data Sampling Rate	1,000samples/s
Real-Time Telemetry	Configurable at rig site
Memory Size	8 MB
Memory Recording	Average and peak data stored every 4 seconds;
	40 seconds of raw data samples stored at 1,000
	Threshold
	samples/sec. when each is first crossed
Data Recorded:	
VibrationMax. Lateral	0to354g
RMSLateral Vibration	0to354g
VibrationMax. Axial	0 to 250 g
RMSAxial Vibration	0 to 250 g
Memory Dump	Connect o sondeoprogram and dump memory
Environmental	
Operating Temperature	0? to 347°F (0? to 175°C)
Pressure	20,000 psi (138 MPa)
Shock	500 g, 1 ms, 5,000 shocks per axis
Vibration	25 g RMS, 20 - 500 Hz bandwidth