

VectrView™ MWD

Engineered for Demanding Environments

The VectrView™ MWD system is the next evolution in Measurement-While-Drilling technology. Engineered to deliver highly reliable measurements and downhole insight for accurate well placement in even the most demanding drilling environments.

Designed for Rugged Durability

- **Enhanced shock absorption system** optimizes survivability in high-vibration drilling
- **Compact, short-length platform** enables tighter BHAs without sacrificing capability.
- **Internal & external compression** mounting protects sensitive components through lateral impacts, stick-slip, and dynamic drilling conditions.
- Powered by the industry's most proven pulser design and decoding platform.
- **Smart telemetry** dynamically maximizes uplink speed in both rotation and slide modes.
- Stable, high-confidence data delivery from kickoff to TD.

Real-time Measurements

- Standard Surveys
- 6-Axis Vector Survey
- Gravity & Magnetic Toolface
- Axial & Lateral S&V— Peak, RMS, Avg
- Continuous Inclination
- Continuous Azimuth
- API Gamma Ray API
- Azimuthal Gamma (optional)
- iCruise Config Data for RSS
- High-resolution memory captures all measurements throughout the run



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General Tool Specifications

Collar Nominal Size	in	5.00	6.50	8.00
Max Borehole Size	in	6.750"	8.750"	17.50"
Min Borehole Size	in	5.875"	7.875"	9.500"
Collar Length	ft	18.5"	16.5"	16.5"
External Connections		XT39	4 1/2 IF	6 5/8 REG

Operating Specifications and Limits

Flow Range	GPM	150 - 400	300 - 1,000	300 - 1,250
Maximum WOB	lb	80,000	136,000	252,000
Maximum Drilling Torque	ft-lbs	API Connection Limited	API Connection Limited	API Connection Limited
Maximum Make Up Torque	ft-lbs	22,000	27,800	59,800
Maximum Overpull	lb	755k	1160k	1700k
DLS with Slick-Collar	°/100 ft	API Connection Limited	API Connection Limited	API Connection Limited
DLS with Flexible-Collar	°/100 ft	API Connection Limited	API Connection Limited	API Connection Limited
Maximum Tool Rotation	RPM	Mud Motor Limited	Mud Motor Limited	Mud Motor Limited
Maximum Operating Temperature	°F	347	347	347
Maximum Operating Pressure	psi	20,000	20,000	20,000
Maximum Shock, Axial/Lateral Vibrations		20g rms random 15 - 500Hz	20g rms random 15 - 500Hz	20g rms random 15 - 500Hz
Maximum Sand Content	% vol	<1%	<1%	<1%

Sensor Information

Continuous Inclination	Accuracy (°) ±	0.1 @ 15° INC	0.1 @ 15° INC	0.1 @ 15° INC
Continous Azimuth	Accuracy (°) ±	3° 0-360	3° 0-360	3° 0-360
Inclination	Accuracy (°) ±	± 0.1	± 0.1	± 0.1
Azimuth	Accuracy (°) ±	± 0.5	± 0.5	± 0.5
API Gamma Ray Accuracy	±%	± 2% (77F to 302F) ± 5% (302F to 347F)	± 2% (77F to 302F) ± 5% (302F to 347F)	± 2% (77F to 302F) ± 5% (302F to 347F)
Azimuthal Gamma	Realtime Memory	4 Quadrant 16 Bin	4 Quadrant 16 Bin	4 Quadrant 16 Bin