

Global perspective. Independent thinking.

SureDrill-DDM™

Drilling Dynamics Monitor (DDM™)

APS's Drilling Dynamics Monitor (DDM™)* measures and records weight on bit, torque on bit, bending on bit, internal and annular pressure and temperature. Captured data may be transmitted in real time via APS's SureShot™ MWD/LWD system, or stored in the DDM's downhole memory for later download and analysis.

The DDM tool can be equipped with vibration monitoring to measure, calculate and record axial, lateral and angular down-hole shock and vibration. Real-time vibration alarms may be transmitted via SureShot.

* U.S. Patent #6,547,016

Product Preliminary Specifications – DDM Tool

Weight on Bit	4-3/4 in.	6-3/4 in.	8 in.
Operating Range	± 30,000 lbs	± 60,000 lbs	± 100,000 lbs
Accuracy	± 5% absolute	± 5% absolute	± 5% absolute
Repeatability	± 1% absolute	± 1% absolute	± 1% absolute
Resolution	1%	1%	1%
Torque on Bit			
Operating Range	± 14,000 ft-lbs	± 30,000 ft-lbs	± 50,000 ft-lbs
Accuracy	± 5% absolute	± 5% absolute	± 5% absolute
Repeatability	± 1% absolute	± 1% absolute	± 1% absolute
Resolution	1%	1%	1%
Bending on Bit			
Operating Range	± 11,000 ft-lbs	± 45,000 ft-lbs	± 45,000 ft-lbs
Accuracy	± 5% absolute	± 5% absolute	± 5% absolute
Repeatability	± 1% absolute	± 1% absolute	± 1% absolute
Resolution	1%	1%	1%
Pressure – Bore & Annulus			
Operating Range	0-20,000 psi	0-20,000 psi	0-20,000 psi
Accuracy	0.1% FSR	0.1% FSR	0.1% FSR

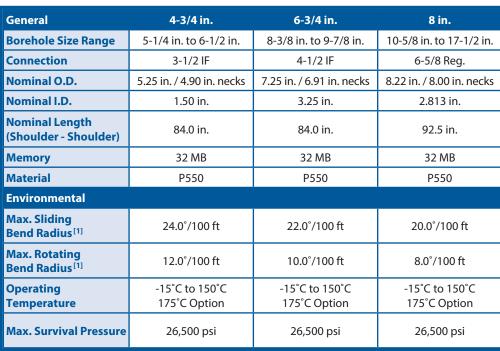
www.aps-tech.com TECHNICAL DATA SHEET



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Product Preliminary Specifications – DDM Tool (continued)







Headquarters • Wallingford • USA 7 Laser Lane, Wallingford, CT 06492 USA Phone: 860.613.4450 • Fax: 203.284.7428 contact@aps-tech.com

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Specifications subject to change without notice.

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