

Electronic Magnetic Multishot Survey System

System Specifications

Manufacturer	Applied Technologies Associates, California (Sister company of ScientificDrilling)	
Dimensions	1.375" O.D. x 198" without heatshield 1.75" O.D. x 214" with heatshield	
Pressure Rating	1.75"	20,000 psi
	1.375"	28,000 psi
Temperature Rating	125°C/257°F without heatshield 315°C/600°F with heatshield	
Inclination Ranges	No limit	
Multishot Data		
Storage	7707 individual survey records	
Data Accuracy	Inclination	± 0.1°, all angles
	Azimuth	± 0.1°, >3° inclination *
	Toolface	± 0.1°, >3° inclination
System Accuracy	Inclination	± 0.15°, all angles
	Azimuth	± 0.25°, >3° inclination *
	Toolface	± 0.15°, >3° inclination
Remarks	The accuracy of all magnetic survey systems depends on the latitude of the drillsite, BHA configuration, hole direction, and the crustal variations in the Earth's magnetic field. Many of these variables are not under the control of the Surveyor, therefore, a true universal accuracy specification is not possible. Experience has shown that in most cases, a typical and achievable azimuth accuracy of ± 0.25°, >3° inclination is possible.	
Software	Mpost, Compass	

