



Magnetic Steering Tool

SYSTEM SPECIFICATIONS

Dimensions	1.375 in (3.49 cm) O.D. x 150 in (381 cm) – without heatshield 1.375 in (3.49 cm) O.D. x 174 in (442 cm) – with gamma module 1.75 in (4.45 cm) O.D. x 150 in (381 cm) – without heatshield 1.75 in (4.45 cm) O.D. x 174 in (442 cm) – with gamma module 1.75 in (4.45 cm) O.D. x 174 in (442 cm) – with heatshield
Pressure Rating	1.375 in (3.49 cm) = 28,000 psi (193,053 kPa) 1.75 in (4.45 cm) = 20,000 psi (137,895 kPa)
Temperature Rating	275°F (135°C) standard probe without heatshield 302°F (150°C) high temperature probe without heatshield 600°F (315°C) with heatshield
Inclination Ranges	No limit
Transmission Medium	Mono or multi-conductor wireline
Data Display and Storage	Real-time display with selected data stored to laptop PC
Data Accuracy	Inclination: $\pm 0.1^\circ$, all angles Azimuth: $\pm 0.1^\circ$, $>3^\circ$ inclination Toolface: $\pm 0.1^\circ$, $>3^\circ$ inclination
System Accuracy	SPE WPTS compliant error ellipse calculations available upon request for individual well profiles.
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. Therefore, a true universal accuracy specification is not possible. Experience has shown that in most cases, a typical and achievable azimuth accuracy of $\pm 0.25^\circ$, $>3^\circ$ inclination is possible.
System Features / Options	<ul style="list-style-type: none"> • Drillers rig floor display • Peak G assembly vibration monitoring • Gamma logging and plots to API standard • Annular pressure monitoring system (sensor supplied according to downhole pressure)

