

Gyroscopic Survey Tool

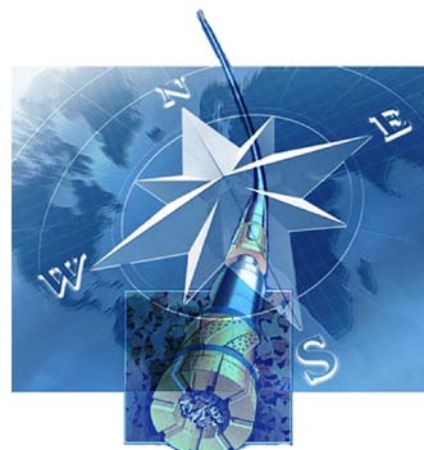
GIST-B

Description

Gyroscopic Survey provides accurate and free magnetic interference directional survey in drill pipe, cased holes and production tubing, or in areas of magnetic interference. It uses inertial grade dynamically tuned gyroscope and state of the art quartz accelerometers in a strapdown configuration to determine hole direction in both orientation and multi shots surveys, neither the less due to its high accuracy sensors the tool can work in high latitudes and inclinations.

Ideal for rigless operations that requires survey most tubing sizes. It also can be run into drill pipes, the flexibility of the design allows the combination with additional services such as Gamma Ray, CCL, Pressure, and temperature measurements. Also the survey can be acquired in real time on the conventional wireline cable using our surface telemetry, panel and software.

Surveys are performed by technically highly trained engineers, that will assure all necessary strict pre and post job quality assurance and calibration checks ensuring that the highest standards are maintained.



Specification

Mechanical	
Pressure rating	10 K Psia (15 K Psia available)
Temperature rating	170 °F or 257 °F to 300 °F (heat shield)
Diameter	1 3/4 or 2 1/8 in. (with heat shield)
Logging method	Wireline (any cable type)
Logging speed	1,800 to 9,000 ft/hr
Logging mode	Multishot or stationary
Overall length	8 ft (without centralizers)
Approx. Weight	25 lbs
Maximum tensile string	14,000 lbs
Technical Specifications	
Azimuth accuracy	Better than $\pm 1^\circ$ (for inclination $< 75^\circ$)
Repeatability (different runs)	$\pm 0.5^\circ$
Resolution	Azimuth $\pm 0.1^\circ$ Inclination $\pm 0.1^\circ$ Tool face $\pm 0.1^\circ$
Inclination accuracy	$\pm 0.1^\circ$
Inclination range	0-90°

