

Drillstring BHA Orientation

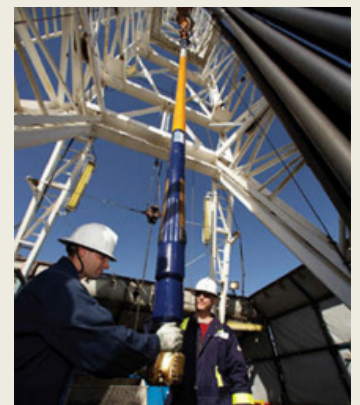
GIST-C **Gyroscopic Continuous North Seeking Survey Tool**

Service Description:

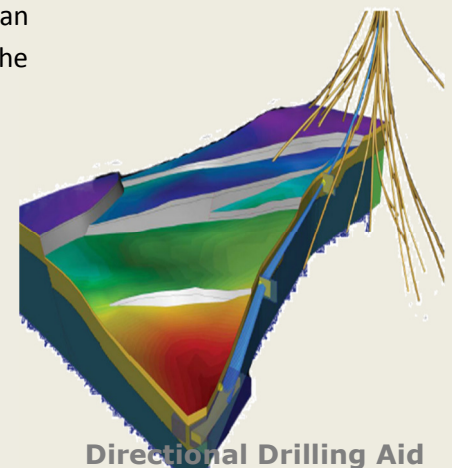
Gyroscope survey provides accurate and magnetic interference free directional survey in Open hole, drill pipe, cased holes and production tubing. Our last generation Gyro inclinometer Survey Tool (GIST-C) uses inertial grade dynamically tuned gyroscope and state of the art quartz accelerometers to determine hole direction and inclination in continuous and multi-shot surveys as well as BHA orientation applications.

GIST-C is suitable for rig and rigless operations where due to its reduced dimensions can be run to survey most tubing and drill pipe sizes. It does not require any initial reference.

The flexibility of its 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 braided line or memory on slickline as well as drop-in the drilling string.



Wellbore Directional



Directional Drilling Aid

Main features and applications

- Continuous mode operation
- True North finding in less than 1 minute (Real Multishot feature)
- Suitable for directional surveys, BHA orientation, Drop and Steering services
- GIST-C is combinable with other Altos modules, Gamma ray, Pressure, Temperature, CCL etc.

Tool Specifications

Pressure rating	15 K PSIA
Temperature rating	100°C (212°F) Standard 150°C (300°F) Heat shielded
Diameter	1-3/4" (45mm) Standard 2" (54mm) Heat shielded
Conveying Method	Cable - Slickline - Drop
Running speed	200 mt/min (40000 ft/hr)
Logging mode	Continuous, Multishot or both simultaneously
Overall length	2500 mm (8 ft)
Approx. weight	13 kg (30 lb)
Maximum tensile strength	6000 Kg (14000 lb)

Sensor Probe Specifications

Azimuth accuracy	+/-0.5° x SEC (DEVI) (*) (for inclination < 75deg)
Tool Face Accuracy	+/-0.5° x SEC (LAT) (*) (for inclination < 75deg)
Repeatability (different runs)	Better than +/- 0.5° (*)
Resolution	Azimuth ± 0.1° Inclination ±0.05° Tool face ± 0.1°
Precisión de inclinación	+/- 0.1°
Inclination Range	Any

(*) This parameter refers to 1 SIGMA of statistical deviation
DEVI: Tool inclination – LAT: Latitude