

# REFLEX GYRO

## **Directional surveying in all environments**

The REFLEX GYRO is a complete downhole surveying instrument capable of surveying in all environments, magnetic and non-magnetic.

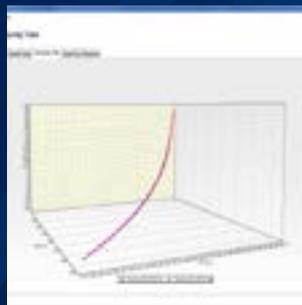
With proven reliability and accuracy, it utilises a digital surface referenced MEMS-gyro. Survey data, once brought to the surface, can be transferred from the onboard memory to the field PC via a high-speed Bluetooth connection. The full set of data readings can be processed using the advanced REFLEX GMT5 navigation software, where users can tabulate, plot and export data into various formats for enhanced decision making.

**PROVEN RELIABILITY IN DELIVERING ACCURATE SURVEY DATA**



### **Designed for operation by Drillers**

The REFLEX GYRO has been designed to be simple to use yet with highly sophisticated technology inside to deliver exceptionally accurate survey results. It can be fully operated by drillers on site for cost effective surveying. As a completely remote and fully time stamped survey tool, it doesn't require a live wireline or additional equipment such as winches for operation.



### **Superior survey data**

Highly accurate survey data is obtained through customised 'Anti-Roll' running gear and centralisers, ensuring the highest quality azimuth data, including in vertical surveying. A large range of data types, including directional data [azimuth and dip], temperature, time and roll are recorded in the onboard memory. Reports can be run through any Windows operating system and are available in xls, dxf, ASCII and ODS formats. The data cannot be altered and can be used for QA/QC and audit purposes.



### **Survey in all environments and directions**

The REFLEX GYRO is not affected by magnetic interference and can be used inside all types of drill rods or in magnetically disturbed ground, eliminating the need to use non magnetic drill pipe configurations. It measures in all directions and is not affected by inclination, and can therefore be used in surface and underground operations and wireline or conventional drill rigs.

## REFLEX GYRO

Dimensions	O.D. 32mm, L 807mm
Weight	1.1kg
Operating temperature	0°C to +70°C
Digital interface	High speed Bluetooth
Power source	High capacity re-chargeable NiMH battery packs
Operating time	<8 hours depending on environmental conditions
Dip [Inclination]	+/- 0.2°
Azimuth, gyro**	+/- 0.5°
Roll	+/- 0.3°

## RUGGED FIELD PC

Operating system	Windows 7
Other features	Built-in high speed Bluetooth, WLAN

## OPTIONAL EQUIPMENT

Other features	Vertical centralisers
	APS
	Conventional running gear
	Digital depth encoder
	High temperature version available

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