HURACAN

Downhole Precision and Reliability

North Seeking Gyro




Visit us at Huracan.com.au

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Offering accurate Gyro direction surveying technology with the North Seeking Gyro

Downhole Precision and Reliability

When you contract a directional survey you want the very best accuracy and reliability.

At HURACAN we use a highly accurate and extremely reliable downhole directional survey and orientation tool. Comprising of the latest technology, the system uses gyro compassing methods to find direction.

As it is a North Seeking Gyro, all measurements are in reference to geographic north. Unlike other downhole survey or magnetic tools, our tool is not affected by magnetic interference. It can be run inside casing, tubing, drill pipe and magnetically disturbed ground.

This 1.70" diameter, easy to use system can be run in a variety of applications from shallow borehole to deep borehole surveying, single shot/multi shot, slim hole casing, orientation, whip stock kickoff and downhole motor orientation.

The Gyro package can be run real time on wireline (eGyro) or in memory mode (mGyro) on slickline or combined with a third party tool to reduce the number of descents into a well. Wireline mode is run from an electric line cable transmitting real time data to the computer at the surface. Mono or multiple conductor cable can be used. Memory mode is fast and cost efficient as this is powered by a battery supply.

If you need an accurate survey that you can rely on then Huracan eGyro and mGyro is your tool of choice.

Features and Benefits

- Not affected by magnetic interference
- No field calibration or roll test required before each survey
- Collar azimuth not required. Only latitude of the hole
- No sight alignment is required
- No survey drift. Surveys are independent and not in relation to the previous survey
- Can transverse in hole at up to 120m/min
- Can be run on both wireline(eGyro) or in memroy mode (mGyro)
- Short length, light weight tool
- Very accurate and reliable
- Built inside high grade titanium pressure barrel
- Rugged design
- Minimal downtime as all operating equipment and software is extremely reliable
- All azimuth measurements are in reference to geographical north

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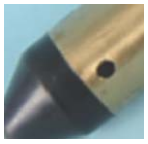

Specifications

- Azimuth accuracy of ± 1.0˚ in inclination range from 1.0˚ - 70.0˚ (from vertical)
- Repeatability in azimuth ± 0.5˚
- Inclination accuracy of ± 0.1˚
- Gravity toolface accuracy of ± 0.1˚
- Gyroscopic toolface accuracy of ± 1.0˚
  Inclination range from 0.0˚ - 1.0˚ (from vertical)
- Temperature rating: -30˚ to 100˚C (-22˚F to 212˚F)
- Pressure rating: 103Mpa (15.000psi)
- Dynamically tuned multi – axis close loop gyroscope
- Quartz technology accelerometers
- Minimum restriction 1.785”

Dimensions

- OD 1.70” (43.2 mm)
- Length 2.3 m (90.55”) – eGyro mode, 2.0 m (78.74”) – mGyro mode
- Weight 15 kg (33.07 lbs)

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