



The world's
first North
Seeking solid
state GYRO...

CHAMP GYRO™

Designed for driller operation

The Champ Gyro is an innovative North Seeking solid state gyro system that allows users to take high accuracy singleshot, multishot or orientation measurements at the push of a button.

It's tough, reliable, requires no starting azimuth and is ready to survey within minutes.

The Champ Gyro offers the ultimate in simplicity, performance and productivity.

- ✔ Memory North Seeking
- ✔ Singleshot, Multishot & Orientation
- ✔ Survey with Champ OSA™
- ✔ Power Up & Run
- ✔ Tough, Rugged & Reliable

Visit us at www.axisminetech.com

Upgrade your existing technology today.



At surface the user initialises the Champ Gyro via tablet. Downhole, singleshot or multishot measurements are taken at desired depths. On return to surface, data is downloaded via highspeed wireless communication and is immediately accessible without any need for post processing or interpretation.

Run the Champ Gyro on wireline or in the Champ OSA™ (Overshot Assembly) which allows a survey to be taken each time you pull core, thus greatly reducing rig downtime associated with conventional surveys.

The Champ Gyro has a robust design capable of performing surveys for both diamond and RC holes in both surface and underground environments.

Housed in 36mm (1.41") running gear the Champ Gyro measures 1.64 meters (5.38ft) long and weighs less than 7kg (15.43 lbs).

Battery modules have a 15 hour life and with two supplied as standard you will never run short on power.



▣ SPECIFICATIONS

Accuracy

Azimuth : +/- 0.75°*
Inclination : +/- 0.15°
Gravity Toolface : +/- 0.2°
Gyro Toolface : +/- 0.75°

Range

Operating : -20° to -90° & +20° to +90°

Surface Setup

Warm up Time : 45 sec

Depth Assignment

Manual depth input
Wireless depth integration (AMT Electronic Depth Counter)

Battery

Re-chargeable Li-ion, 5000mAh or standard c-cell
15 hours continuous operation
Two battery modules supplied

Temperature, Shock & Pressure Rating

Temperature : -10°C to +70°C (14°F to 158°F)
Shock : 1000g Axial, ½ sine, 1ms
Pressure rating : 4000psi

Dimensions & Weight

Downhole Probe in Running Gear
Outside Diameter : 36mm (1.41")
Length : 1640mm (64.56")
Weight : 7kg (15.43lbs)

Measurements & Communication

North Seeking singleshot, multishot & orientation
2 min gyrocompass shot time (higher accuracy modes available)
Wireless data communication between tablet and probe
Wireless depth transfer via AMT's Electronic Depth Counter

Technical specifications are subject to change without notification.

*Gyrocompass azimuth accuracy is latitude dependent and quoted at 1 sigma.

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