



CHAMP GYRO™

**The world's first north seeking
solid state GYRO has arrived.**

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.

Contact us to find out how to rent
a Champ Gyro

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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 high speed Bluetooth® wireless technology and is immediately accessible without any need for post processing or interpretation.

The Champ Gyro can be run on wireline or in the Champ OSA (Overshot Assembly) which allows a survey to be taken each time core is retrieved, thus greatly reducing rig downtime associated with conventional deployment methods.

The Champ Gyro has a robust design capable of being used in drop survey mode to conduct a full out-run multishot survey as rods are pulled out of hole at bit change or at TD.

Housed in standard 36mm integrated running gear, the Champ Gyro measures 1.3 meters long and weighs less than 10kg. Battery modules have a 15 hour life and with two supplied as standard you will never run short on power.

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

Upgrade your existing technology today.

FEATURES

- No warm up time
- Accurate north seeking Gyro measurements
- Survey with Champ OSA each time core is retrieved
- Singleshot, multishot and orientation operation
- Utilises robust and reliable solid state sensors
- High speed Bluetooth® wireless technology
- 15 hour lithium rechargeable battery or standard c-cell
- Probe battery voltage indicator
- Standardised 36mm fully integrated running gear



SPECIFICATIONS

Accuracy

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

Range

Inclination : 0° to +/- 90°
Azimuth : 0° to 360°

Dimensions & Weight

Downhole Probe in Standard 36mm Running Gear

- Outside Diameter : 36 mm
- Length : 1300 mm
- Weight : 9 kg

Handheld Tablet

- Ruggedised waterproof windows 8 tablet
- Dimensions : 213 x 136 x 11 mm
- Weight : 450g

Temperature, Shock & Pressure Rating

- Temperature : -10°C to +70°C
- Shock : 500g Axial
- Pressure rating : 4000 psi

Battery

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

Measurements & Communication

- North-seeking singleshot, multishot & orientation operation
- 2-2.5 min shot time - Standard Accuracy
- 4.5-5 min shot time - High Accuracy
- High speed Bluetooth® wireless technology

Technical specifications are subject to change without notification.

*Azimuth accuracy is quoted at 1 sigma standard accuracy at latitudes below 60° and at inclinations below 40°.

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