



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
- ❑ Power Up & Run
- ❑ Singleshot or Multishot
- ❑ Vertical & Inclined Orientation
- ❑ Tough, Rugged & Reliable
- ❑ Field Proven
- ❑ Survey with Champ OSA™
- ❑ Establishes Own North Azimuth

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# 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 a pump in or drop out-run survey as the drill rods are pulled at bit change or at end of hole, reducing rig standby time associated with a conventional survey.

Housed in 36mm running gear the Champ Gyro™ measures 1.64 meters long and weighs less than 7kg. 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 High Side : +/- 0.2°  
Gyro Toolface : +/- 0.75°

### Range

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

### Temperature, Shock & Pressure Rating

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

### Battery

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

### Dimensions & Weight

Downhole Probe in Running Gear  
Outside Diameter : 36 mm  
Length : 1640 mm  
Weight : 7 kg

### Measurements & Communication

North Seeking singleshot, multishot & orientation  
2.5 min gyrocompass shot time  
High speed wireless communication

Technical specifications are subject to change without notification.

\*Gyrocompass azimuth accuracy is latitude dependent and quoted at 1 sigma at inclinations between -30° to -90° & +30° to +90°.

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