



CHAMP DISCOVERER™

Magnetic multi-purpose drill hole surveying system

The Champ Discoverer Electronic Multishot is a magnetic drill hole surveying system designed to make survey data collection processes more simple and easier for the operator.

The hand-held ruggedised tablet communicates wirelessly with the Champ Discoverer probe through an infra-red data link. The timer in the hand-held unit is synchronised with the probe, prior to being lowered into the drill hole, and data is saved into tool memory as each shot is taken.

When the survey is complete, the data is downloaded to the tablet which displays the processed data along with primary quality control indicators including Mag Field, Mag Field Dip, and Gtotal. When exported to Axis' onTrack™ Survey Analysis Software, further features such as enhanced analysis, survey and 3D graphical views as well as report generation are available to the user.

- ✓ Singleshot, Multishot & Orientation
- ✓ Robust & Reliable (1000g axial)
- ✓ High Speed Infra-red Communication
- ✓ Simple & Effective Quality Control
- ✓ Long Life Re-chargeable Batteries
- ✓ Battery Status Indicator

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Upgrade your existing technology today.



✔ **Small Compact Instrument Module**

Easy to handle and highly robust

✔ **In-field Battery Module replacement**

Two battery modules supplied

✔ **User Friendly**

Uses intuitive modern Axis proprietary software

✔ **Wireless Communications Module**

High speed infra-red communication

✔ **Easy Data Transfer**

Plug in USB stick to transfer data from tablet

✔ **High Accuracy Calibration Procedure Employed**

Helmholz coil calibration system

✔ **onTrack™ Survey Analysis Software**

3D Graphical display and plan/section views

Quality control analysis and survey report generation

Project or hole by hole view in Google Earth

Actual v planned comparison of hole path



✔ **SPECIFICATIONS**

Accuracy

Azimuth : +/- 0.5°

Inclination : +/- 0.3°

Gravity Toolface : +/- 0.3°

Magnetic Dip Angle : +/- 0.5°

Magnetic Intensity : +/- 250nT

Range

Inclination : -90° to +90°

Azimuth : 0° to 360°

Temperature, Shock & Pressure Rating

Temperature : -30°C to + 70°C (-22°F to 158°F)

Shock : 1000g Axial, 1/2 sine, 1ms

Pressure Rating : 6000psi or 4000m (13,125ft) in fresh water

Battery & Memory

1700mAh Li-Ion rechargeable pack

Recharge Time : 4-6 hours

Battery Usage : 25 hours (operating)

Battery voltage display

Dimensions & Weight

Downhole Probe in Running Gear

Outside Diameter : 38mm (1.5")

Length : 1260mm (49.6")

Weight : 7.2kg (15.9lbs)

Handheld Tablet

Ruggedised water resistant tablet

Dimensions : 185 x 93 x 21mm (7.28 x 3.66 x 0.81")

Weight : 385g (0.85lbs)

Measurements & Communication

Singleshot, multishot & orientation operation

Measurement interval 10 sec

High speed infra-red communication

Technical specifications are subject to change without notification.

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