



**Reliable, fast and accurate north seeking gyro with overshot surveying functionality**

## Description

OMNIx™42 is a fast and accurate north seeking gyro with extensive field-proven reliability and Bluetooth data transfer. The downhole navigation solution is available in a range of lightweight running gear configurations designed for all standard reverse circulation and diamond drilling applications, including surveying whilst pulling core, orientation and near-horizontal to horizontal pump-in applications.

Able to survey in all attitudes\*, OMNIx42 can be operated in continuous, single and multi-shot modes at speeds of up to 100m/min. Survey data is transmitted to a handheld tablet through Bluetooth using an efficient and intuitive workflow for the ultimate end user experience.

OMNIx42 is well suited to surface and underground drilling environments of the mineral exploration industry and features universal running gear developed by IMDEX in close consult with drilling operators.

*\*Dependent on mode and angle, rig alignment device may be required*

## Data Solution

The OMNIx42 is connected to the award-winning cloud based IMDEX HUB-IQ, offering a streamlined data solution including secure chain of custody, QAQC and real-time access to reliable drilling data.

IMDEX has engineered the OMNIx42 to ensure highly accurate data is collected and transmitted securely to the end user. The seamless transfer from field to office significantly reduces human errors related to processing and interpretation bringing you critical borehole information you can rely on.

## Advantages

- Increase productivity and save rig time when you survey while pulling core
- Survey at high speeds in continuous and multi-shot modes
- Seeks true north with no risk of magnetic interference
- Less manual handling with Bluetooth data communication, and light weight reducing material lifting risks and injuries
- Advanced QAQC results immediately after downloading surveys
- Intuitive workflow with IMDEX HUB-IQ™ integration

## Specifications

### Dimensions

Outer diameter	42.5mm
Length (inc. battery*)	1400mm
Weight (inc. battery*)	8kg

### Operational Environment

Operational Temperature	0°C to + 70°C (32°F to + 158°F)
Depth	4000psi
Shock	500g (including bump sub)

### Performance

Azimuth**	± 0.4° (At 0° Latitude)
Dip	± 0.25°
Survey Modes	Singleshot & Multishot NS (±30° to ± 90° dip) Continuous NS (±30° to ± 80° dip) Continuous Manual Ref.*** (+30° to -30° dip)
Data	CSV export
Survey Time	Up to 100m/minute

### Battery

Type	Ni-MH Rechargeable batteries
Operating time	15 hours each
Field chargeable	Yes, 2 batteries supplied per kit

### Data

Quantity	11 hours continuous survey data
Export	USB and WIFI
Format	CSV

*\*Excluding running gear*

*\*\*Results depend on latitude and inclination. Accuracy quoted at 1σ and -70deg dip.*

*\*\*\*Using rig alignment device for starting reference*

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