

DeviGyro OX

IMDEX™



Overshot Xpress (OX) & OX MINI

**Compact overshot
surveying solution**

DeviGyro OX



Description

The DeviGyro Overshot Xpress (OX) is a robust overshot survey solution for the diamond core drilling application. In combination with the DeviCounter, the OX enables continuous gyro surveying up to 100m/min whilst retrieving core tube, incorporating directional measurement into the drilling process to deliver maximum productivity at the drill rig.

The ultra-compact (just 1.2m) and wireless design is configured for safety, improving operator handling and reducing instrument contact time.

The Overshot Xpress (N, H, P-size) and OX Mini (B, N-size) feature interchangeable centralisers for compatibility across all diamond drill rigs in surface and underground environments. Pre-assembled in case and safe to be handled by one operator, the OX offers ultimate transportability where space is at a premium.

Utilising proprietary navigational algorithms and recording 10 data points per second, the DeviGyro miniature rate gyro provides geologists with accurate, transparent, and repeatable data they can trust. Automatic Depth Estimation (ADE) offers even greater versatility at the rig with the option to continuously survey without a depth counter.

Integration

From the drill rig to the office, DeviGyro data integrates with IMDEXHUB-IQ™ to securely optimise data transition and management whilst minimising manual entry error.

DeviCo's DeviAligner provides the DeviGyro with the most accurate starting direction and enables directional surveying at any angle.

Applications

- Surface & underground diamond core drilling
- Wireline or pump-in

Advantages

- Incorporate surveying into the diamond drilling process
- Up to 100 m/min continuous survey speed and quick setup time
- Precise repeatability at all angles
- Intuitive operating software
- True wireless - connects when fully assembled
- Scandinavian made - robust and reliable
- Immediate, comprehensive QA check
- Commercially available battery
- Not affected by magnetics
- V-wall compatible

"The OX technology is fantastic! Comprehensive surveying without interrupting the drilling process, driving overall production up and the cost per meter down for our clients."

Geoff Muir

Managing Director at Australian Underground Drilling



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DeviGyro OX

Running gear 1230 mm/48.4 in
DeviGyro sensor 140 mm / 5.5 in



Overshot Xpress 10.5 kg/23.1 lbs
OX MINI 7.4 kg/16.3 lbs
DeviGyro sensor 0.2 kg/0.4 lbs



Azimuth accuracy:
 $\pm 0.1^\circ/100m$



Typical positional accuracy:
0.2%



Inclination accuracy:
 $\pm 0.1^\circ*$



Toolface accuracy:
 $\pm 0.2^\circ*$

*Calibrated for temperature range -10°C to +60°C

Specifications

| | |
|-----------------------------|--|
| Pressure (bar/psi) | 300bar/4350psi |
| Temperature range | -20° to +60°C/-4° to 140°F |
| Compatible sizes | Overshot Xpress: NWL, HWL & PWL OX MINI: BWL, NWL |
| Azimuth accuracy | $\pm 0.1^\circ/100m$ |
| Typical positional accuracy | 0.2% |
| Inclination accuracy | $\pm 0.1^\circ*$ |
| Tool face accuracy | $\pm 0.2^\circ*$ |
| Azimuth range | 0°-360° |
| Inclination range | -90°- +90° |
| Temperature | Recorded |
| Survey mode | Continuous or multishot |
| Survey speed | Up to 100m/min |
| Affected by magnetics | No |
| Memory | 6h 40min |
| Data communication | Wireless |

Battery

| | |
|----------------------------------|------------|
| Battery type | 1x CR 123a |
| Battery capacity, continuous use | 24 hours |

Handheld Device

| | |
|----------------------------------|--------------------|
| Type | Android Smartphone |
| Software | DeviGyro App |
| Battery capacity, continuous use | 15 hours |
| Battery type | Lithium |
| IP rating | IP68 |

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