

DeviGyro RG40 STANDARD

IMDEX™



**Versatile survey solution for
in-rod applications**

DeviGyro RG40 STANDARD



Description

The DeviGyro RG40 Standard is an ultra-versatile navigational solution offering precise and efficient continuous surveying for core drilling, reverse circulation, piling, and most other in-rod surveying applications.

The miniature rate DeviGyro utilises proprietary navigational algorithms and records 10 data points per second to provide geologists with accurate, transparent, and repeatable data they can trust.

Featuring patented adjustable centralisers to cover a wide range of rod diameters and profiles, the DeviGyro RG40 Standard is highly robust, reliable, easy to handle and transport from site to site.

As with all DeviGyro configurations, the RG40 is completely wireless with Bluetooth activation to enable fast and user-friendly setup and operation.

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.

"We were lucky to be one of the first companies to test and use the DeviGyro RG40 STANDARD. Since then, the DeviGyro is our closest ally and one of the most reliable tools for us and our clients."

Sanja Prvulovic
Managing Director at Reflex Drilling Serbia

Advantages

- Up to 100 m/min continuous survey speed and quick setup time
- Patented, adjustable centralisation for multiple in-rod surveying applications
- 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

Applications

- Diamond core drilling: wireline, pump-in or conventional
- Reverse circulation (RC) drilling
- Civil drilling applications
- Geotechnical drilling
- Directional drilling
- Pilot holes
- Surface & underground



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Compact configuration 1500 mm/59.1 in
DeviGyro sensor 140 mm/5.5 in



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	BWL, NWL, HWL & PWL
Centralizer range	45-100mm/1.8-3.9in ID
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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