



Mining - Geotechnical  
Sale - Rental

# DeviAligner

## Surface & Underground Alignment System

The **DeviAligner** is a portable battery operated north seeking gyro alignment system designed to make and record highly accurate measurements of True North, inclination and roll angles both at surface and underground drill sites.



### Applications

- Diamond Drilling
- Reverse Circulation
- Geotechnical investigation
- Exploration

### Benefits

- Available for sales or rental
- Extremely high accuracy on both azimuth and inclination
- Same accuracy both on surface and underground
- Among the fastest alignment rate in the industry
- No recalibration required over service life
- Report for archives and QA
- Controlled by Android app or web browser
- Highly robust and reliable
- High precision system covering all Northern and Southern latitudes

[devjco.com](http://devjco.com)

# DeviAligner

The **DeviAligner** is a state-of-the-art north seeking gyro system, with among the fastest setting time available on the market. With plug-and-play functionality it is easily used to align drills and collars both on surface and underground.

The system features an easy to operate Android app, wireless communication, standard rechargeable and replaceable batteries and a maintenance free operation.



## KIT INCLUDES

- North seeking alignment system
- Handheld Device
- Water proof case
- Rechargeable battery
- Mounting bracket
- Charger

## Battery

The **DeviAligner** may be used with one or two rechargeable batteries, each providing 6 hours on a full charge. The batteries may be hot swapped to allow continuous operation throughout a full shift.

## Handheld Device

A rugged portable IP68 Android Smartphone is utilised to communicate with the **DeviAligner** and display live measurement data.

## Processing Software

The **DeviAligner** offers both an Android app and a web interface for displaying measurement data. The app may be used to import a list of planned targets and align accordingly. When alignment is achieved a report may be exported for QA.

Starting azimuth can be reviewed and verified at the drill site showing azimuth and inclination. This system is not magnetically affected and may be used both on surface and underground.

## Data Transfer

Reports may be transferred from the Handheld device by Wi-Fi, Bluetooth or email.

## Maintenance and Set-up

No maintenance is necessary with the **DeviAligner** when used according to the manual. Devico supplies a multi-size fixing bracket in the kit.

## Technical Specifications

### Alignment tool

Dimensions	32.0 cm x 24.9 cm x 21.7 cm/12.6" x 9.8" x 8.5"
Azimuth Accuracy	0.23° sec lat
Tilt and Roll Accuracy	0.1°
Setting time	5 minutes
Typical battery life	6-12 hours (depend on temperature and number of batteries)
Battery type	Lithium
Charge time	3 hours
Charger	100-240 VAC
Temperature (operate)	-20°C to 55°C
Temperature (storage)	-40°C to 80°C
Position	Required
Connection	Android app or web interface

### Handheld Device

Type	Rugged smartphone
Software	DeviAligner App
Battery life/type	15 hours/Lithium
IP rating	IP68



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