



**Fibre-optic north seeking rig  
alignment system.**

## Description

The DeviAligner is a state-of-the-art north seeking rig alignment system with the fastest settling time available on the market. Utilising advanced fibre-optic gyro technology, the ultra portable system records precise azimuth, inclination and roll angles in both surface and underground environments.

Designed specifically for automating the drill rig alignment process within the mining and civil sectors, the DeviAligner significantly increases accuracy and efficiency, whilst reducing rig downtime and associated costs. DeviAligner also delivers quick and precise quality assurance for any collar pick up, survey instrument reference and re-alignment requirements.

The system features an easy to operate Android application, wireless communication, and enables real time readings in True North or Mine Grid.

DeviAligner utilises proven, off-the-shelf, commercially available batteries, to simplify the user experience and make shipping by airfreight much easier. Batteries can be hot-swapped for continuous operation throughout a full shift to eliminate any unnecessary downtime.

## Integration

Drill hole coordinates can be entered directly into the DeviAligner hand pad or pre-loaded from any location worldwide and sent directly to the rig using IMDEXHUB-IQ™.

Drill hole alignment data is transferred back into IMDEXHUB-IQ™, securely optimising the data transition and management process whilst minimising the risk of manual entry error.

## Applications

- Surface & underground drilling
- Diamond drilling
- Reverse Circulation (RC) drilling
- Civil drilling applications
- Drill & blast

## Advantages

- Fast settling time < 5min
- Wireless communication with Android app
- Ability to import drill plans
- Live data output in true north or mine grid
- Robust, lightweight design < 14kg
- User friendly multi-size mounting bracket
- Dependable, commercial grade batteries
- Simple onsite calibration check procedure

*"The DeviAligner makes us feel way more comfortable with our drill rig set ups at Ada Tepe, having in mind all the underground infrastructure we must avoid. It is fast, portable and easy to use on site, an ideal solution for accurate rig alignment."*

**Nikolay Mihaylov**

Dundee Precious Metals Krumovgrad/DPM



### ASIA PACIFIC

Perth, Australia (Head Office)  
+61 8 9445 4000  
amc@imdexlimited.com  
Indonesia  
+61 (0) 21 759 11244

### AFRICA

South Africa  
+27 (11) 908 5595

### EUROPE

Norway  
+47 72 87 01 01  
Germany  
+49 4402 9650-0  
United Kingdom  
+44 (0) 1273 483 700

### SOUTH AMERICA

Argentina  
+54 9 261 211 3676  
Brazil  
+55 (47) 3404 5920  
Chile  
+56 (2) 2589 9300  
Peru / Ecuador  
+51 (1) 322 8850

### NORTH AMERICA

USA / Canada  
+801-364-0233  
Mexico  
+52 (871) 680 7146



Settling time:  
5 minutes



Azimuth accuracy:  
 $\pm 0.15^\circ$  sec lat



Inclination  
accuracy:  $\pm 0.1^\circ$



Battery capacity:  
6-12 hours

## Dimensions

Length	320 mm
Width	249 mm
Height	217 mm
Weight (inc. batteries)	14.5kg/31.9lbs

## Handheld Device

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

## Specifications

Operational temperature	-20° to 55°C/-4° to 131°F
Storage temperature	° to 80°C/-40° to 176°F
Azimuth accuracy	0.15° sec lat-40
Inclination accuracy	0.1 degrees
Battery type	Rechargeable
Battery capacity, continuous use (each)	6 hours (two supplied)
Data communication	Android app or web interface
Settling time	5 minutes
Position	Latitude required
Charge time	3 hours
Charger	100-240 VAC

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