

TN14 GYROCOMPASS™



**Accurate and repeatable
driller operated rig alignment.**

Description

The TN14 GYROCOMPASS™ improves productivity dramatically by quickly and accurately aligning drill rigs in surface and underground operations.

When coupled with the IMDEXHUB-IQ™, the cloud-based solution provides time-stamped data capture and instantaneous survey and collar alignment data to support timely decision making.

Application

With a dip range of +/- 90°, the TN14 GYROCOMPASS has the flexibility to improve productivity in all drilling conditions.

The TN14 GYROCOMPASS takes approximately 10 minutes to complete its self-calibration and a drill rig can then be aligned to the correct azimuth and dip within minutes.

The unit is supplied with a single internal battery and has a large visual interface built into the wireless handheld unit, showing live movement to guide alignment of the foot clamp assembly and improve operator safety.

Integration

Direct data communication with the secure, cloud-based IMDEXHUB-IQ allows efficient drill program management in near real time, from anywhere.

Drillhole coordinates can be entered directly into the handheld or pre-loaded from any location worldwide with IMDEXHUB-IQ. Pre-loading coordinates reduces the risks and associated costs of human error in entering incorrect data and ensures drill collars are accurate.

Advantages

- Improved productivity and accuracy in drill rig alignment
- Fast settling time
- Suitable in surface and underground environments
- Wireless handheld device ensures safe operating environment and features large visual interface showing live movement

Field calibration time

<12 minutes

Performance

Sensor

Azimuth (latitude dependant) +/- 0.2°

Dip +/- 0.05°

System

Azimuth (latitude dependant) +/- 0.5°

Dip +/- 0.2°

Operating range

Operating time with fully charged battery Approximately 10 hours continuous

Dip range +/- 90°

Azimuth range +/- 87°

Temperature

Operational Temperature -10°C to +60°C (14°F to 140°F)

Storage Temperature -40°C to +85°C (-40°F to 185°F)

Environment 95% humidity

Foot clamp sizes

Outer diameter 55mm to 90mm

Width To suit B to H size, 55mm to 90mm

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