

# TN14 GYROCOMPASS™

**IMDEX**™



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

# TN14 GYROCOMPASS™



## Description

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

When coupled with HUB-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 HUB-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 HUB-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 a 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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