

# REFLEX TN14 GYROCOMPASS

**Pre-load drill hole co-ordinates for fast, accurate and repeatable rig alignment in 5 minutes or less**

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

The REFLEX TN14 GYROCOMPASS takes approximately 10 minutes to calibrate, and a drill rig can then be aligned to the correct azimuth and dip within minutes.

With a Roll/Pitch range of +/- 90°, the REFLEX TN14 GYROCOMPASS has the flexibility to improve productivity in all drilling conditions. Without the roll & pitch limitations experienced by some rig alignment systems, azimuth integrity remains high at ALL angled drilling applications.



## WORLDWIDE DATA ACCESS

Drill hole co-ordinates can be entered directly into the hand held on site or pre-loaded from any location worldwide and sent directly to the rig using REFLEX HUB. Drill hole alignment data is transferred back into REFLEX HUB, so Geologists can effectively manage their drilling program remotely, without leaving their office; no physical file transfers are required. Pre-loading co-ordinates reduces the risks and associated costs of human error caused by entering incorrect co-ordinates or inaccurate survey marking.



## VISUAL INTERFACE

The REFLEX TN14 GYROCOMPASS has a large visual interface built into the wireless handheld unit, showing live movement, through clear, simple graphics, to guide alignment and improve operator safety. The visual interface makes it easy to quickly see which direction the rig needs to move to accurately and easily align to the correct dip and azimuth, improving alignment efficiency. The wireless handheld unit means no cables are required, ensuring a safer operating environment.



## FULLY ADJUSTABLE CLAMPING MECHANISM

The easy to use clamping mechanism allows for a single person to position the REFLEX TN14 GYROCOMPASS onto the drill rods. The clamp is fully adjustable and will suit rod sizes from BQ\* to HQ\*.

## REFLEX TN14 GYROCOMPASS SPECIFICATIONS

<b>Field Calibration Time</b>	
Calibration time	Approximately 10 minutes
<b>Sensor Accuracy</b>	
Heading	+/- 0.2°
Dip/Pitch	0.05°
<b>Operating Range</b>	
Operating time	Approximately 10 hours continuous
Operating temperature	-10°C to +60°C
Storage temperature	-40°C to +85°C
Roll/Pitch range	+/-90°
Environment	95% humidity

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