



# IAE

INTEGRATED APPLICATIONS ENGINEERING, INC.

## North Seeking Gyro

IAE offers latest model of North Seeking Gyro that with 3 axis solid-state sensors is rugged, accurate and reliable in high shock, high vibration, high temperature environments. The accuracy of the tool is unmatched and does not require regular calibrations. North seeking time takes only **30 seconds** to measure earth's rotation and gravity fields.

Our dual system (stable platform and strapdown inertial navigation) as well as proprietary Adaptive Roll Technology offer high roll tolerance and surveying speeds up to 200m/min, based on powerful Kalman Filtering, dramatically improved reliability and accuracy.

## Features and benefits

- Solid-state sensors, no field calibration required.
- 3 axis True North Finding, horizontal Gyrocompass.
- Continuous survey mode, traverse at high speeds up to 200m/min.
- Smallest & lightest North Seeking Gyro with O.D. of 35mm.
- High accuracy and reliability.

## Technical Specifications

Inclination	0.1° (Any inclination includes <b>Horizontal Gyrocompass</b> )
Azimuth	0.6°
Gyro/Roll Tool Face	0.5°
Surveying Time	30S (Standard)
Operating Modes	Gyro Compass, Continuous, Memory
Survey speed:	200 m/min
Range Temperature	110° C 200° C (Heat shield)
Pressure Rating	80MPa
Diameter	35mm(Standard) 42mm (Heat shield)
Length	2200mm
Weight	10kg