



IAE

INTEGRATED APPLICATIONS ENGINEERING, INC.

North Seeking Gyro

Our North Seeking Gyro 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.

GYRO SYSTEM COMPARISON

	COMPETITOR1	COMPETITOR2	COMPETITOR4	IAEGyro
Type of Gyro Sensor	2-axis mechanical (DTG)	1-axis (FOG)	3-axis solid-state	3-axis solid-state
Gyrocompassing Time	180+ seconds	90+ seconds	32 seconds	30 seconds
Horizontal Gyrocompassing	no	no	yes	yes
Continuous mode	no	no	yes	yes
Drop mode	yes	yes	yes	yes
Accuracy	low accuracy +	low accuracy +	highest accuracy +	highest accuracy +
Shock Survivability	low	low	high	high
Maximum Temperature	100°C	70°C	150°C	110°C
Sizes	OD 45mm Length 3m+	OD 42mm Length 3m+	OD 45mm Length 3m+	OD 35mm Length 2m



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