

# Low Cost 3 Axis FOG North Seeker

**FNS101**

## Advantages

- Low cost FOG north seeking solution
- Specially suitable for mining application
- 3-axis FOG & 3-axis accelerometer



## Applications

- North seeking in logging tools/gyro tools
- Pointing, steering and guiding in advanced mining/drilling equipment
- Initial alignment in weapon/UAV launch systems
- Direction pointing and tracking in satellite antenna, target tracking system
- Guidance and navigation in navigation grade MEMS weapon system
- Orientating and positioning in railway train system
- Precision platform attitude measuring and controls
- Precision attitude, position measuring in navigation grade MEMS IMU/INS
- North finding and positioning in land surveying/land mobile mapping system
- Petroleum exploration
- Bridge, tall building, tower, dam monitoring
- Rock and soil monitoring
- Mining

	FNS101-A	FNS101-B	FNS101-C
Dimension (mm)	200mm × 100mm × 90mm/210mm × 125mm × 105mm		
Sensor	3-Axis FOG		
Weight (Kg)	2.0Kg		
Power Supply	12V		
Current	1A		
Power Consumption	≤12W		
Start-up Time	5min		
Working Latitude	-65°~+65°		
North Seeking Precision	1°secϕ	0.5°secϕ	0.25°secϕ
North Seeking Time	5min		
Heading Measurement Range	0°~360°		
Pitch Measurement Range	-65°C+65°C		
Output Method	RS422		
Operating Temperature	5°C+55°C		
Vibration Environment	10Hz~1000Hz, 5g		
Impact Environment	8ms~11ms, 20g, half-sine wave		

## Structure (unit: mm)

