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## ER-FNS-03 Series Low Cost 3 Axis FOG North Seeker

### 1. Introduction:

ER-FNS-03 Series Low Cost 3 Axis FOG North Seeker adopts closed-loop fiber optic gyroscope as the core components. It is mainly composed of inertial measurement unit, digital signal processing unit and the organizations of the mechanical parts. It can provide the carrier with true north azimuth angle.

Products are used in coal mining, oil drilling, tunnel construction and geodesy, also can be used for missile launch, weapon targeting, and static initial alignment and direction control of radar, antenna, vehicle and other objects.

### 2. Specifications:

Parameters	ER-FNS-03A	ER-FNS-03B
Dimension (mm)	200×100×90mm/210 × 125 × 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° secψ	0.5° secψ
North Seeking Time	5min	
Heading Measurement Range	0°~360°	
Pitch Measurement Range	-65°~+65°	
Output Method	RS422	
Operating Temperature	5℃~+55℃	
Vibration Environment	10Hz~1000Hz, 5g	
Impact Environment	8ms~11ms, 20g, half-sine wave	