

ER-FNS-03 Low Cost FOG North Seeker (0.5°/1°)

Introduction

ER-FNS-03 Low Cost FOG North Seeker (0.5°-1°) 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.

Specifications

Parameters	ER-FNS-03A	ER-FNS-03B	ER-FNS-03C	ER-FNS-03D
Dimension (mm)	200×100×90mm			
Sensor	3-Axis FOG	3-Axis FOG	Single-Axis FOG	Single-Axis FOG
Weight (Kg)	2.0Kg	2.0Kg	1.6Kg	1.6Kg
Power Supply	12V	12V	5V	5V
Current	1A	1A	1.2A	1.2A
Power Consumption	≤12W	≤12W	≤6W	≤6W
Start-up Time	5min	5min	5min	5min
Working Latitude	-65°~+65°	-65°~+65°	-65°~+65°	-65°~+65°
North Seeking Precision	1°secψ	0.5°secψ	1°secψ	0.5°secψ
North Seeking Time	5min	5min	5min	5min
Heading Measurement Range	0°~360°	0°~360°	0°~360°	0°~360°
Pitch Measurement Range	-65°~+65°	-65°~+65°	-30°~+30°	-30°~+30°
Output	RS422	RS422	RS422	RS422
Operating	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃

Temperature				
Vibration	10Hz~1000Hz,5g			
Impact	8ms~11ms, 20g, half-sine wave			

FAQ:

1. What is your quotation condition?

If you have DHL or Fedex account ,we can quote EXW price ,otherwise CIF or FOB price.

2.Do you have any discount when procurement?

We will quote sample price at first and we will quote volume price if you need more quantity.

3.How long is the delivery time?

For sensors,parts,modules : in stock-one week;no stock-2-4weeks; For systems,generally ,8-12 weeks.

4.How to deal with the quality problems?

If confirmation of product quality problem we can replace it freely for customer in the shortest period.