

## ER-FNS-01 High Performance Dynamic FOG North Seeker (0.02°-0.5°)

### Introduction

ER-FNS-01 High Performance Dynamic FOG North Seeker (0.02°-0.5°) consists of high precision, rugged solid FOG, quartz accelerometer, data acquisition and processing unit. It can provide the true north azimuth information of the carrier when the carrier is moving. At the same time, the information of motion attitude, velocity and position of the carrier can also be displayed. This dynamic north seeker is suitable for static and dynamic initial alignment of missile launch, weapon aiming, direction control of radar, antenna and mapping survey.

### Specifications

Parameters	ER-FNS-01A	ER-FNS-01B	ER-FNS-01C	ER-FNS-01C
Outline dimension (mm)	248×248×180	248×248×180	248×248×180	248×248×180
Weight (Kg)	20Kg	18Kg	15Kg	15Kg
Power supply	AC220V, 50Hz/AC110V, 60Hz/DC18V~36V			
Power consumption	≤50W	≤50W	≤50W	≤50W
Start time	3min	3min	3min	3min
Latitude	-70°~+70°	-70°~+70°	-70°~+70°	-70°~+70°
North seeking precision	0.02°secψ	0.06°secψ	0.1°secψ	0.5°secψ
North seeking time	5min	5min	3min	3min
Roll pitch accuracy	0.02°	0.06°	0.1°	0.5°
Heading measurement range	-65°~+65°	-65°~+65°	-65°~+65°	-65°~+65°
Roll pitch measurement range	0°~360°	0°~360°	0°~360°	0°~360°
Positional accuracy	0.8nm/h	1.2nm/h	1.5nm/h	2nm/h
Output mode	RS422	RS422	RS422	RS422
Working temperature	-40℃~+60℃	-40℃~+60℃	-40℃~+60℃	-40℃~+60℃
Vibration environment	20Hz~2000Hz, 6.06g			
Impact environment	8ms~11ms, 30g	8ms~11ms, 30g	8ms~11ms, 30g	8ms~11ms, 30g