

ER-FNS-01 Dynamic Fiber Optic Gyroscope North Seeker is consist of close-loop fiber optic gyroscope and quartz accelerometer, and also includes data acquisition and processing unit, precision indexing mechanism and control display unit. According to requirements, ER-FNS-01 north seeker can add GPS/BD/GNSS receiver, odometer sensor, altimeter, ephemeris and so on, and can provide carrier and true north azimuth angle. It also provides information about the movement, speed and position of the vehicle. Suitable for missile launch, weapon aiming, radar, antenna, vehicle and so on, static initial alignment and direction control.



**Parameters:**

Parameters	ER-FNS-01A	ER-FNS-01B	ER-FNS-01C
Outline dimension (mm)	248 ×248×180 (It can be customized to customer requirements)		
Weight (Kg)	20Kg	18Kg	15Kg
Power supply	AC220V, 50Hz/AC110V, 60Hz/DC18V~36V		
Power consumption	≤50W		
Start time	3min		
Latitude	-70°~+70°		
North seeking precision	0.02°secψ	0.06°secψ	0.1°secψ
North seeking time	5min	5min	3min
Roll pitch accuracy	0.02°	0.06°	0.1°

Heading measurement range	-65°~+65°		
Roll pitch measurement range	0°~360°		
Positional accuracy	0.8nm/h	1.2nm/h	1.5nm/h
Display mode	LCD display, attitude and position information can be shown.		
Output mode	RS422 serial interface, it can be customized to customer requirement		
Working temperature	-40°C~+60°C		
Vibration environment	20Hz~2000Hz, 6.06g		
Impact environment	8ms~11ms, 30g		

Remark: Function is optional to customer request.