

1. Product features:

This ER-FNS-02 Static Fiber Optic Gyro North Seeker adopt closed-loop fiber optic gyroscope or high precision MEMS gyroscope as the core components. It is mainly composed of inertial measurement unit, digital signal processing unit and the organizations of the mechanical parts, and it has a GPS/GNSS/BD receiver and odometer sensor components such as expansion of position. It can provide the carrier with true north azimuth Angle. At the same time, as well as the carrier of motion, speed and position information. Products are mainly used in coal mining, oil drilling, tunnel construction and geodesy, it can also be used for static positioning and orientation of the ground object.

2. Product parameters:

Parameters	ER-FNS-02A	ER-FNS-02B	ER-FNS-02C
Outline dimension (mm)	178×178×160 (It can be customized to customer requirement)		
Weight (Kg)	5.0Kg	4.5Kg	4Kg
Power supply	AC220V, 50Hz/AC110V, 60Hz/DC18V~36V		
Power consumption	≤15W		
Start time	3min		
Latitude	-65°~+65°		
North seeking precision	0.02°secψ	0.06°secψ	0.1°secψ
North seeking time	3min		
Heading measurement range	0°~360°		
Roll pitch range	-65°~+65°		
Output interface	RS422 serial interface, it can be customized to customer requirement.		
Working temperature	-40℃~+60℃		
Vibration environment	20Hz~2000Hz, 6.06g		
Impact environment	8ms~11ms, 30g		

**Remark: Function is optional to customer request.

