

## ER-FOG-32 Gyro Tools Single Axis Fiber Optic Gyroscope

### Introduction

ER-FOG-32 fiber optic gyroscope is an angular velocity sensor that is specially designed for inclinometers with wide range, fast response, high sensitivity, small size, high precision, sturdiness and reliability, light weight, and no electromagnetic influence.

### Specifications

Gyro level	Standard	A
Range (°/s)	±300	
Bias stability (°/h), 10s	<0.8	<0.3
Zero offset repeatability (°/h), 10s	<0.8	<0.3
Random walk coefficient (°)/h <sup>1/2</sup>	<0.05	<0.03
Scale factor non-linearity (ppm)	<150	<100
Scale factor asymmetry (ppm)	<150	<100
Scale factor repeatability (ppm)	<150	<100
Bandwidth (Hz)	≥100 (200, 400)	
Start time (s)	≤5	
Magnetic shield	Magnetically shielded optical fiber ring of key sensitive device	
Power supply (V)	±5V powered by	
Power consumption (w)	≤5	
Size (mm)	Φ32*300±2	
Weight (kg)	<1.0	
Output method	RS-422	
Working temperature (°C)	0°C~+70°C	
	-20°C~+70°C	
Storage temperature (°C)	-55°C~+85°C	
Communication Interface	J30J-9-TJ、customizable	