

## ER-TFOG-32 Gyro Tools 3-Axis FOG

### Introduction

ER-TFOG-32 three-axis fiber optic gyroscope is a three-axis 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
Axial	X/Y/Z Triaxial	
Range (°/s)	±300	
Bias stability (°/h), 10s	<0.8	<0.4
Zero offset repeatability (°/h), 10s	<0.8	<0.4
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*450±2	
Weight (kg)	<1.0	
Output method	RS-422	
Working temperature (°C)	0°C~+70°C	
Communication interface	J30J-9-TJ、customizable	