ER-FOG-82MC High Precision FOG (Special Designed Substitute of Ring Laser Gyro)

Introduction

ER-FOG-82MC High Precision FOG (specially designed substitute of Ring Laser Gyro) is a single-axis high-precision military grade fiber optic gyroscope. It contains five optical devices, a signal detection board, a light source control circuit board and a power supply module. In terms of structure, the optical system and circuit system are integrated and packaged. It is easy to install, easy to use and reliable. The user can only use one plug, provide power supply and receive gyro output data.

Performance Specification

Measuring range: -500°/s~+500°/s;

Bias stability of (1σ): 0.05°/h;

Scale factor non-linearity (1σ): 50ppm;

Random walk coefficient: 0.001(°/√h);

Bandwidth: not less than 200Hz;

Working temperature:

M1A: -40°C to +60°C;

M2: -55°C to +85°C

Dimension and Interface

Dimensions	82mm*82mm*34mm
Weight	365±10g
Power Supply	±5V DC (Power Accuracy ±5%, Ripple Less than 30mV)
Output Interface	Complies with RS-422 interface standard