**ER-FOG-115HC High Precision FOG (Special Designed Substitute of Ring Laser Gyro)**

**Introduction**

ER-FOG-115HC High Precision FOG (Special 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 separated 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.

This product can replace the ring laser gyro and used in attitude measurement, navigation, guidance and other fields.

**Main Performance Indicators**

Measuring range: -500°/s~+500°/s;

Bias stability of (1σ): 0.003°/h;

Scale factor non-linearity (1σ): 5ppm;

Random walk coefficient: 0.0004(°/√h);

Bandth: not less than 100Hz;

Power consumption: less than 5W;

Working temperature: M1A: -40°C to +60°C;

**Dimension and Interface**

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|---|---|
| Dimensions | 117mm*150mm*52mm |
| Weight | 1650±20g |

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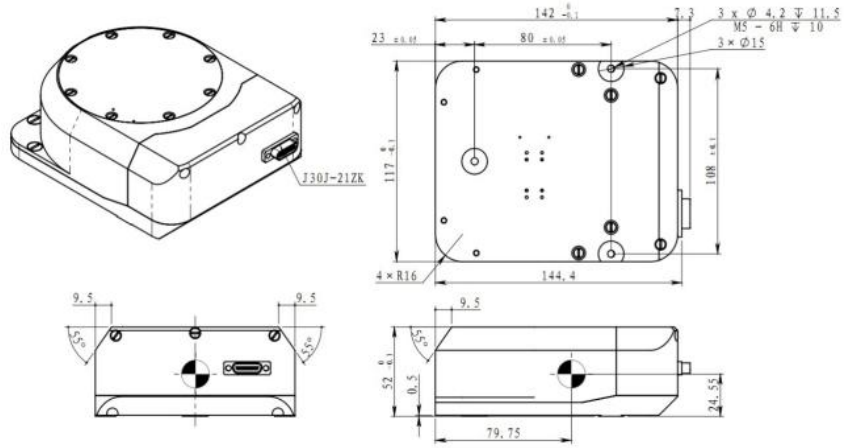
|---|---|
| Mounting hole distance | 80mm*108mm |
| Mounting Screws | M5 |
| Mounting surface accuracy Cylindrical | Flatness≤0.01mm |
| Power Supply | ±24V DC (Power Accuracy ±5%, Ripple Less than 20mV) |
| Output interface | Complies with RS-422 interface standard |




Picture : Structural Outline of ER-FOG-115HC Fiber Optic Gyroscope