RION-FOG300

impulse optic gyro is fast rotation sensor based on Sagnac effection.

It is conbimed by fiber loop and electronic processor, including light source, coupler, polarizer, phase modulator and fiber loop, etc.

Its main features include good insulativity, capable of eliminating magnetic satuartion, anti-electromegnatic, high precision, goog linearity, small size, light, high reliability, and conveninent installation. It is widely used in all kinds of inertial measurement fields.

Applications

- optical instrument
- photographical instrument
- platform stability
- antenna stability
- navigator
- inertial measurement

Features

- eliminate magnet satuaration
- good linearity
- high accuracy
- small size
- light weight
- anti-electromagnetic
- insulativity
- high reliability
- convenient installation

Specification

Working performance	**Measuring range**	±350 deg/s
	Zero drift	≤1 deg/h
	Full temp. drift	±3 deg/h
	Zero drift stability	≤0.5 deg/h
	Zero drift repeatability	≤0.5 deg/h
	Scale factor nonlinearity (0.1 deg as reference value)	⩽500 ppm
	Random vibration zero drift change	1 deg/h
Electrical Performance	**Power**	±5 V, ⩽2.5 W
	Ripple	⩽10 mV
physical property	**Working temp.**	-40℃～+60℃
	Size	70×70×32 mm
	Weight	220±10 g