

Ultra High Accuracy Laser Gyroscope (Model 120)

PARAMETER

◆ Performance Indicators

Bias stability: $\leq 0.001^\circ/\text{h}$
Bias repeatability: $\leq 0.005^\circ/\text{h}$
Scale factor repeatability: $\leq 1\text{ppm}$
Scale factor nonlinearity: $\leq 1\text{ppm}$
Dynamic range: $\pm 400^\circ/\text{s}$



◆ Physical Properties

Sensor Type

Size: 149mm x 132mm x 31mm
Weight: 1.02kg

Digital Type

Size: 169mm x 154mm x 59mm
Weight: 3kg

◆ Interface Characteristics

Sensor Type

Output mode: analog signal

Digital Type

Output mode: TTL
Data interface: standard connector

◆ Field of application

Precision Laser Strapdown Inertial Navigation System,
Positioning and Orientation System

◆ Environmental Adaptability

Working temperature: $-45^\circ\text{C} \sim +70^\circ\text{C}$
Random vibration: 7g (20Hz ~ 2000Hz)