

TRIPLE -AXIS

TBSD60

FIBER OPTIC GYROSCOPE

- Digital closed-loop mode, bias stability : 0.05°/h ~ 0.5°/h
- Small size : 112mm×112mm×77.5mm, light weight : ≤1200g
- High accuracy , short start-up time, strong resistance to vibration and shock.



APPLICATIONS



Small IMU , INS.
Servo-tracking , Seeker.

PERFORMANCE

Parameters	TBSD60A	TBSD60B	TBSD60C	TBSD60D
Input Range	± 500 °/s	± 500 °/s	± 500 °/s	± 500 °/s
Bias Stability	≤0.05 °/h	≤ 0.1 °/h	≤ 0.3 °/h	≤ 0.5 °/h
Bias Repeatability	≤0.05 °/h	≤ 0.1 °/h	≤ 0.3 °/h	≤ 0.5 °/h
Random Walk Coefficient	≤0.005 ° / √ h	≤ 0.01 ° / √ h	≤ 0.03 ° / √ h	≤ 0.05 ° / √ h
Scale Factor Non-linearity	≤ 30 ppm	≤ 50 ppm	≤ 80 ppm	≤ 100 ppm
Scaling Factor Repeatability	≤ 30 ppm	≤ 50 ppm	≤ 80 ppm	≤ 100 ppm
Scale Factor Asymmetry	≤30 ppm	≤ 50 ppm	≤ 80 ppm	≤ 100 ppm
Startup Time	≤ 1s			
Bandwidth	>200 HZ			
Power Supply	+24 V			
Power	≤18 W			
Operating Temperature	- 45 ~ 70 °C			
Storage temperature	- 55 ~ 80 °C			
Vibration	20 ~ 2000 Hz , 0.06 g ² /Hz			
Shock	30 g, 11ms			
Data Refresh Date	200 ~ 2000 Hz			
Baud Rate	115200 ~ 921600 bps			
Output Mode	Broadcast (default) / Triggered (customized)			
Interface	RS-422			
Connector	J30J-15TJL			
Dimensions	112×112×77.5 mm			
Weight	1200 g			