

Gyro Accuracy

Model	TLH-F50-3J	TLH-F60-4J	TLH-F70-5J	TLH-F70-6J	TLH-F98-7J	TLH-F98-AJ
Zero bias repeatability	0.3°/h	0.1°/h	0.07°/h	0.03°/h	0.01°/h	0.002°/h
Full temperature zero bias stability	0.5°/h	0.2°/h	0.09°/h	0.05°/h	0.03°/h	0.004°/h
Zero bias repeatability	0.3°/h	0.1°/h	0.07°/h	0.03°/h	0.01°/h	0.002°/h
Nonlinearity of scale factor	50 ppm	50 ppm	50 ppm	50 ppm	50 ppm	50 ppm
Repeatability of scale factor	50 ppm	50 ppm	50 ppm	50 ppm	50 ppm	50 ppm
Measuring range	±400°/s	±400°/s	±400°/s	±400°/s	±400°/s	±400°/s
Bandwidth	200 Hz (adjustable)	200 Hz (adjustable)	200 Hz (adjustable)	200 Hz (adjustable)	200 Hz (adjustable)	200 Hz (adjustable)
Nonlinearity	3 ppm	3 ppm	3 ppm	3 ppm	3 ppm	3 ppm
Angular random walk coefficient	0.02°/√h	0.009°/√h	0.006°/√h	0.003°/√h	0.001°/√h	0.0002°/√h

System Parameters

Model	TLH-F50-3J	TLH-F60-4J	TLH-F70-5J	TLH-F70-6J	TLH-F98-7J	TLH-F98-AJ
Operating temperature	-40°C ~+65°C					
Storage temperature	-55°C ~+85°C					
Vibration	Power spectral density 4,2,20 ~ 2000 (g, Hz)					
Communication interface	RS422*1 (data line); PPS*1 (synchronization);					
Plug-in type	DB15 (host harness, customizable)					
Impact	40 g,11 ms,1/2 Sine					
Power supply voltage	±5V					
Power consumption	2.5 w	2.5 w	2.5 w	2.5 w	5 w	5 w
Dimensions (mm)	50*50*32	60*60*40	70*70*31.4	70*70*31.4	98*98*32	98*98*32
Weight (g)	≤100	≤150	≤180	≤200	≤250	≤300