

PARAMETER	
Model	MTAA 2023
	Standard
Power Requirements	
Input Voltage *	5 - 18 V DC
Input Current *	<1.5 mA
Performance	
Standard Range Full Scale*	6.5 Rad/sec ² (under 12V Power Supply)
Sensitivity (Scale Factor) **	1.5 V/Rad/Sec ²
Full Scale Output (Nominal) *	10 V DC (under 12V Power Supply)
Frequency range **	DC – 50 Hz
Scale Factor Calibration (at 25°C Typical) **	± 6% of value (0,5 dB)
Scale Factor over Temperature (Dev. from 25°C Typical) **	≤0.23%/°C
Short Term Bias Stability (200 sec at const. temp) **	<0.01 mRad/sec ² typical
G Sensitivity (Typical) *	0.2 Rad/Sec ² /G
Start-Up Time (Typical) **	< 30 Sec
Bandwidth (-90°)	50 Hz
Non-Linearity (Typical) % Full Range **	≤1.0 %
Output Noise (DC to 50 Hz) **	≤0.1 mRad/sec ² /√Hz
Output Noise (DC to 50 Hz) RMS*	< 0.7 mRad/Sec ²
Environmental	
Operating Temperature *	-15°C to +55°C
Storage Temperature *	-15°C to +65°C
Weight *	≤10 grams

* MIPT Laboratory Experimental data

** ARL Penn State Navigation Research & Development Center. Experimental data