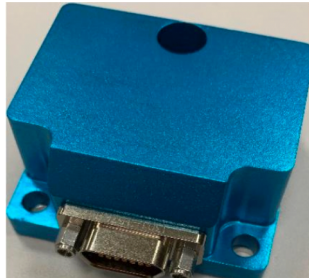


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Metatecno-IMU01

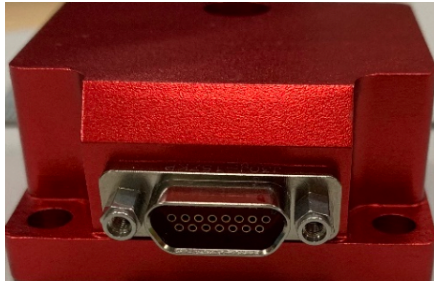


Metatecno-IMU01 is a high performance, low cost inertial measurement unit, can be used for navigation, dynamic measurement and other occasions.

Features: small size, light weight, structure, stable structure, high reliability, zero bias stability, low Gyro Noise, Advance Gyro Vibration energy, DC voltage input, digital output

High Accuracy Inertial measurements Unit/Attitude Meter

Indicator	Gyroscope	Accelerometer		
Measurements	±500°/s	±6g		
Range	<100ppm	< 0.2%		
Bias Instability	0.5°/h	0.1mg		
Zero Error Response Bandwidth	200Hz	200Hz		
IMU Performance Indicator				
	measuring range	precision error	Accuracy Can B	Resolution
Yaw	±360°	0.1°	trusted for 1min (1σ)	0.01°
Pitch	±90°	0.05°	1σ	0.01°
Roll Accuracy	±180°	0.05°	1σ	0.01°
Interface				
Output data rate	200Hz			
Output Method Serial	RS422 or RS232 or CAN			
Power	5V			
Consumption	Less than 1W			
Dimension	44x37x22mm			
Weight	<50g			
Environmental adaptability				
Shock	200, 1/2sine			
Vibration	10-2000Hz -0.04g/Hz			
Temperature	-40°C, ±110°C			



Metatecno-IMU02 is a high performance, low cost inertial measurement unit, can be used for navigation, dynamic measurement and other occasions.

Features: small size, light weight, structure, stable structure, high reliability, zero bias stability, low Gyro Noise, Advance Gyro Vibration energy, DC voltage input, digital output

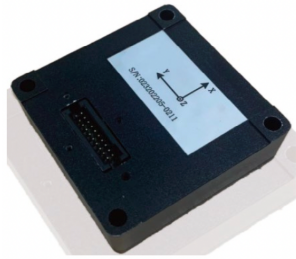
Indicator	Gyroscope	Accelerometer		
Measurements	$\pm 450^\circ/\text{s}$	$\pm 6\text{g}$		
Range	$< 0.2\%$	$< 0.3\%$		
Bias Instability	$8^\circ/\text{h}$ (10s smooth)	0.3mg (10s smooth)		
Zero Error Response Bandwidth	50Hz	50Hz		
IMU Performance Indicator				
	measuring range	precision error	Accuracy Can Be	Resolution
Yaw	$\pm 360^\circ$	0.2°	trusted for 1min (1σ)	0.02°
Pitch	$\pm 90^\circ$	0.1°	1σ	0.02°
Roll Accuracy	$\pm 180^\circ$	0.1°	1σ	0.02°
Interface				
Output data rate	200Hz			
Output Method Serial	RS422 or RS232 or CAN			
Power	5V			
Consumption	Less than 1W			
Dimension	33x47x19mm			
Weight	$< 50\text{g}$			
Environmental adaptability				
Shock	200, 1/2sine			
Vibration	10-2000Hz -0.04g/Hz			
Temperature	-40°C , $\pm 110^\circ\text{C}$			



Metatecno-IMU03 is a high performance, low cost inertial measurement unit, can be used for navigation, dynamic measurement and other occasions.

Features: small size, light weight, structure, stable structure, high reliability, zero bias stability, low Gyro Noise, Advance Gyro Vibration energy, DC voltage input, digital output

Indicator	Gyroscope		Accelerometer	
Measurements	±500°/s		±18g	
Range	< 0.1%		< 0.2%	
Bias Instability	15°/h (10s smooth)		0.5mg (10s smooth)	
Zero Error Response Bandwidth	50Hz		50Hz	
IMU Performance Indicator				
	measuring range	precision error	Accuracy Can Be	Resolution
Yaw	±360°	0.3°	trusted for 1min (1σ)	0.02°
Pitch	±90°	0.2°	1σ	0.02°
Roll Accuracy	±180°	0.2°	1σ	0.02°
Interface				
Output data rate	200Hz			
Output Method Serial	RS422 or RS232 or CAN			
Power	5V			
Consumption	Less than 1W			
Dimension	25x25.1x6.79mm			
Weight	<10g			
Environmental adaptability				
Shock	200, 1/2sine			
Vibration	6g(20-2000Hz)			
Temperature	-40°C, ±110°C			



Metatecno-IMU03A is a high performance, low cost inertial measurement unit, can be used for navigation, dynamic measurement and other occasions.

Features: small size, light weight, structure, stable structure, high reliability, zero bias stability, low Gyro Noise, Advance Gyro Vibration energy, DC voltage input, digital output

Indicator	Gyroscope		Accelerometer	
Measurements	±500°/s		±18g	
Range	< 0.1%		< 0.2%	
Bias Instability	15°/h (10s smooth)		0.5mg (10s smooth)	
Zero Error Response Bandwidth	50Hz		50Hz	
IMU Performance Indicator				
	measuring range	precision error	Accuracy Can Be	Resolution
Yaw	±360°	0.3°	trusted for 1min (1σ)	0.02°
Pitch	±90°	0.2°	1σ	0.02°
Roll Accuracy	±180°	0.2°	1σ	0.02°
Interface				
Output data rate	200Hz			
Output Method Serial	RS422 or RS232 or CAN			
Power	5V			
Consumption	Less than 1W			
Dimension	25x25.1x6.79mm			
Weight	<10g			
Environmental adaptability				
Shock	200, 1/2sine			
Vibration	6g(20-2000Hz)			
Temperature	-40°C, ±110°C			