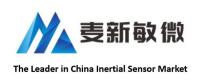


INERTIAL MEASUREMENT UNITS





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U300-A INDUSTRIAL GRADE



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range		<u>±10 /±20 /±40 g</u>
Bias in-run stability (Allan)		0.08 mg
Bias repeatability		
Noise (Random walk)		0.1 m/sec/ √ h
Scale factor error		
Size		
Weight		





TOEIDA

U300-B INDUSTRIAL GRADE



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range		<u>+3 /±6 /±12 /±24 g</u>
Bias in-run stability (Allan)		0.08 mg
Bias repeatability		0.18 mg
Noise (Random walk)	0.12 °/√h	0.09 m/sec/√h
Scale factor error	0.1 %FS	0.1 %FS
Size		
Weight	7 g	

U3000 INDUSTRIAL GRADE



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±100 °/sec	±10 /±20 /±40 g
Bias in-run stability (Allan)		0.05 mg
Bias repeatability		0.12 mg
Noise (Random walk)	0.09 °/√h	0.03 m/sec/ √ h
Scale factor error		0.1 %FS
Size		
Weight		





U3500 INDUSTRIAL GRADE



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range		±12 /±16 /±24 g
Bias in-run stability (Allan)		0.06 mg
Bias repeatability		
Noise (Random walk)	0.6 °/√h	0.08 m/sec/√h
Scale factor error		0.5 %FS
Size		
Weight	8 g	

U5000 TACTICAL GRADE



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±400 °/sec	<u>±1</u> 0 g
Bias stability (10s)		
Bias repeatability		0.15 mg
Noise (Random walk)	0.15 °/√h	0.17 m/sec/√h
Scale factor error		0.05 %FS
Size		
Weight	60 g	









U6300 TACTICAL GRADE

MEMS Inertial Measurement Unit

	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±450 °/sec	
Bias in-run stability (Allan)	0.1~0.5 °/hr	0.01mg
Full-temperature bias stability		0.15 mg
Noise (Random walk)	0.02 °/√h	0.02 m/sec/√h
Scale factor error	0.01 %FS	0.01 %FS
Size		
Weight		



U6488 TACTICAL GRADE



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±450 °/sec	<u>+2</u> 0 g
Bias in-run stability (Allan)		0.0005~0.15 mg
Full-temperature bias stability		0.15~1 mg
Noise (Random walk)	0.03~0.08 °/√h	0.02~0.05 m/sec/√h
Scale factor error		
Size		
Weight		

U7000 TACTICAL GRADE

MEMS Inertial Measurement Unit



GYROSCOPES	ACCELEROMETERS
±400 °/sec	±30 g
0.1 °/hr	0.015 mg
1 °/hr	0.1 mg
0.05 °/√h	0.01 m/sec/√h

Maximum dynamic range	±400 °/sec	±30 g
Bias in-run stability (Allan)	0.1 °/hr	0.015 mg
Bias repeatability		
Noise (Random walk)		
Scale factor error		0.05 %FS
Size		
Weight		

麦新敏微 Micro-Magic

UF100A TACTICAL GRADE

High Precision FOG Based Inertial Measurement Unit



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麦新敏微

Micro-Mag

	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±300/±500 °/sec	±10 g
Bias in-run stability (Allan)	0.05 °/hr	0.02 mg
Bias repeatability	0.2 °/hr	0.1 mg
Noise (Random walk)	0.04 °/√h	0.01 m/sec/√h
Scale factor error		
Size	φ89 × 78.5 mm	
Weight		

UF300A NAVIGATION GRADE

High Precision FOG Based Inertial Measurement Unit

支新敏微

Micro-Magic

		ACCELEROMETERS
Maximum dynamic range	±300 °/sec	±10 g
Bias in-run stability (1σ, 10s)		
Bias repeatability (1σ)	0.03 °/hr	
Noise (Random walk)		
Scale factor error		
Size		
Weight		



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UF300B/UF300C TACTICAL GRADE

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High Precision FOG Based Inertial Measurement Unit

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±300/±1000 °/sec	±10 g
0.00/0.4.0/b-	
0.08/0.1 */nr	0.05/0.07 mg
0.08/0.1 °/hr	0.05/0.07 mg
0.008/0.01 °/√h	0.007/0.01 m/sec/√h
60/60 ppm	
45 x 122 x 125 mm	
1800 ±50 g	
-	

UF100A TACTICAL GRADE

High Performance FOG Based Inertial Measurement Unit

	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±300/±500 °/sec	±10 g
Bias in-run stability (Allan)		
Bias repeatability		0.1 mg
Noise (Random walk)	0.04 °/√h	0.01 m/sec/√h
Scale factor error		
Size	φ89 × 78.5 mm	
Weight		





大麦新敏微

UF3X80-A/UF3X80-B TACTICAL GRADE

High Performance FOG Based Inertial Measurement Unit



GYROSCOPES

Maximum dynamic range	±500 °/sec	
Bias in-run stability (1o, 10s)		
Bias repeatability (1o)		
Noise (Random walk)		
Scale factor error		
Size	φ80 × 70 mm	
Weight		

ACCELEROMETERS

Can be customerized according to customer's requirement either made by MEMS Accelerometers or by Quartz Accelerometers

Kincro-Magic Enderseiter Betrangeneter

UF3X90-A/UF3X90-B TACTICAL GRADE

High Precision FOG Based Inertial Measurement Unit



GYROSCOPES

ACCELEROMETERS

.....Can be customerized according to customer's requirement either made by MEMS Accelerometers or by Quartz Accelerometers

Maximum dynamic range	±500 °/sec	
Bias in-run stability (1o, 10s)		
Bias repeatability (1o)		
Noise (Random walk)		
Scale factor error		
Size	φ90 × 78 mm	
Weight		



UF3X100-A/UF3X100-B NAVAIGATION GRADE

High Performance FOG Based Inertial Measurement Unit

CVDOSCODES



	GIRUSCOPES	
Maximum dynamic range	±500 °/sec	
Bias in-run stability (1σ, 10s)		
Bias repeatability (1σ)		
Noise (Random walk)	0.005/0.003 °/√h	
Scale factor error		
Size		
Weight		

ACCELEROMETERS

.....Can be customerized according to customer's requirement either made by MEMS Accelerometers or by Quartz Accelerometers

UF500 TACTICAL GRADE

High Performance FOG and Quartz Flexible Accl Combined IMU



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	±360 °/sec	<u>±</u> 50 g
Bias in-run stability (1o, 10s)	0.1 °/hr	0.02 mg
Bias repeatability (1o)		0.1 mg
Noise (Random walk)		0.007 m/sec/√h
Scale factor error		
Size		
Weight	950 ±50 g	

入麦新敏微 **Micro-Magic**



UF600 TACTICAL GRADE

High Performance FOG and MEMS Accelerometer Combined IMU



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	<u>±360</u> °/sec	±50 g
Bias in-run stability (Allan)	0.1 °/hr	0.05 mg
Bias repeatability (1o)		0.3 mg
Noise (Random walk)	0.08 °/√h	0.01 m/sec/√h
Scale factor error		
Size		
Weight		

UF700 TACTICAL GRADE

High Performance FOG and Quartz Flexible Accl Combined IMU



	GYROSCOPES	ACCELEROMETERS
Maximum dynamic range	.±800 °/sec	<u>+</u> 30 g
Bias in-run stability (Allan)		
Bias repeatability (1o)		0.06 mg
Noise (Random walk)	0.05 °/√h	0.01 m/sec/√h
Scale factor error		
Size		
Weight	1000 g	







The Leader in China Inertial Sensor Market

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