



**MS IMU  
3050**

## Ordering Guide

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Product Model Number: MS-IMU3050

Product Part Number: MP00067

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## 1.0 OPTIONS

### 1.1 Part Numbering

The standard part numbers, sensor ranges and associated ECCNs for the MS-IMU3050 are listed in the table below.

**Table 1 – Standard part numbers**

Model Number	Part Number	Maximum Ranges				ECCNs
		Accel (g)	Aux Accel (g)	Rate (°/s)	Mag (gauss)	
MS-IMU3050M	MP00067-001 <sup>1,2</sup>	±8	None	±1920	2	7A003
MS-IMU3050	MP00067-002 <sup>1,2</sup>	±8	None	±1920	None	7A003
MS-IMU3050MHH	MP00067-007 <sup>1,3</sup>	±40	None	±1920	2	7A003
MS-IMU3050HH	MP00067-008 <sup>1,3</sup>	±40	None	±1920	None	7A003

Note 1: Gyro range is user configurable to ±75 °/s, ±200 °/s, ±480 °/s, ±960 °/s, or ±1920 °/s

Note 2: Accel range is user configurable to ±2g, ±4g or ±8g.

Note 3: Accel range is user configurable to ±10g, ±20g or ±40g.

### 1.2 IMU Accessories

Accessories available for the IMU include interface cables, a USB data acquisition module (USB-DAQ) and the IMU configuration software. The accessories allow an end user to rapidly connect, configure and collect evaluation data with the MS-IMU3050. The software provides valuable tools used in developing communications with the IMU. The table below provides the accessory part number details.

**Table 2 – Accessories part numbers**

Model Number	Part Number	Description
C30X0-G10F-H6F-36	MP00063-001	IMU 36-inch Development Interface Cable
C30X0-G10F-PTL-08	MP00063-003	IMU 8-inch Unterminated Interface Cable
C30X0-G10F-PTL-12	MP00063-004	IMU 12-inch Unterminated Interface Cable
USB-DAQ	MP00082-101	USB IMU Data Interface Module, 36"
MS-CIP-EVAL	N/A	IMU Configuration Software

### 1.3 IMU Development Kit

Development kits available for the MS-IMU3050 are listed in Table 3 below.

**Table 3 – Development Kit**

Dev Kit Part Number	#	Part Number	Content Description
MP00087-001	1	CM01614	USB 2.0 A to Micro-USB B Cable 3FT
	2	CM01667	Box, Memsense Development Kit
	3	MP00063-018	Cable 36IN Gecko (F) to Gecko (F)
	4	MP00063-019	Cable 36IN Gecko (M) to Gecko (F)
	5	MP00069-001	USB Drive MS-CIP Evaluation Application and User Manual
	6	MP00082-101	USB IMU Data Interface Module, 36"
	7	MP00083-101	IMU Breakout Development Board
	8	MP00084-101	USB IMU Data Interface Module External Power Adapter
	9	MP00085-001	USB-DAQ External Power Cable

### 1.4 IMU Evaluation Kit

Evaluation Kits available for the MS-IMU3050 are listed in Table 4 below.

**Table 4 – Evaluation Kit**

Eval Kit Part Number	#	Part Number	Content Description
MP00088-001	1	CM01667	Box, Memsense Development Kit
	2	MP00063-019	Cable 36IN Gecko (M) to Gecko (F)
	3	MP00069-001	USB Drive MS-CIP Evaluation Application and User Manual
	4	MP00082-101	USB IMU Data Interface Module, 36"
	5	MP00084-101	USB IMU Data Interface Module External Power Adapter
	6	MP00085-001	USB-DAQ External Power Cable