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MS IMU 3050

Ordering Guide

Document Number:	DOC00495	Product Model Number:	MS-IMU3050
Document Revision:	L	Product Part Number:	MP00067
		Product Revision:	C

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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 | | | | |
		Accel (g)	Aux Accel (g)	Rate (°/s)	Mag (gauss)	ECCNs
MS-IMU3050M	MP00067-001[1,2]	±8	None	±1920	2	7A003
MS-IMU3050	MP00067-002[1,2]	±8	None	±1920	None	7A003
MS-IMU3050MHH	MP00067-007[1,3]	±40	None	±1920	2	7A003
MS-IMU3050HH	MP00067-008[1,3]	±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

Information provided herein is considered accurate however is not guaranteed. Memsense reserves the right to change specifications at any time, without notice.

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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	Content		
	#	Part Number	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	Content		
	#	Part Number	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

Document Revision History

REV	STATUS	DESCRIPTION	DATE
Prelim	Obsolete	Ordering guide preliminary release.	10-3-2016
A	Obsolete	Ordering guide initial release.	11-28-2016
B	Obsolete	Release for new MS-IMU3050. Updated format.	9-1-2017
C	Obsolete	Removed MP00067-005 through MP00067-008.	11-1-2017
D	Obsolete	Updated accelerometer ranges on the MP00067-003 and MP00067-004. Removed the 18 inch development cable MP00063-002.	2-13-2018
E	Obsolete	Corrected note referring to accelerometer ranges on the MP00067-003 and MP00067-004. Added ECCNs for MP00067-003 and MP00067-004.	4-6-2018
F	Obsolete	Added model numbers, ECCNs and development kits.	7-6-2018
G	Obsolete	Added ECCNs to the development kits. Updated product and document revision.	10-4-2018
H	Obsolete	Removed export version from the part numbers due to all versions being export controlled.	11-5-2018
J	Obsolete	Added new Evaluation Kit and Development Kit to Accessories. Removed old accessories and development kits.	2-21-2022
K	Obsolete	Applied a new doc style. Revised information related to Evaluation and Development Kits.	12-2-2022
L	Released	Updated the part number of the development kit to MP00087-001 (Table 3).	3-11-2024