



MS IMU
3050



ORDERING GUIDE

Document Number: DOC00495

Document Revision: J

Product Number: MP00067

Product Revision: C

MEMSENSE.COM

888.668.8743

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)	Rate (°/s)	Mag (gauss)	
MS-IMU3050M	MP00067-001 ^{1,2}	±8	±1920	2	7A003
MS-IMU3050	MP00067-002 ^{1,2}	±8	±1920	None	7A003
MS-IMU3050MHH	MP00067-007 ^{1,3}	±40	±1920	2	7A003
MS-IMU3050HH	MP00067-008 ^{1,3}	±40	±1920	None	7A003

Note 1: Gyro range is user configurable to ±75 °/s, ±200 °/s, ±480 °/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 MS-IMU3050 ACCESSORIES

Accessories available for the MS-IMU3050 include an evaluation kit and a development kit. The Evaluation Kit allows an end user to rapidly connect, configure and collect evaluation data with the MS-IMU3050. The Development Kit provides an interface PCB that enables an end user to integrate the MS-IMU3050 with an embedded system. The software provides valuable tools used in developing communications with the IMU. Table 2 provides the part number details.

Table 2 - Accessories part numbers

Model Number	Part Number	Description
EVAL KIT	MP00088-001	IMU Evaluation Kit
Eval Kit Includes:	MP00082-101	USB-UART DAQ
	MP00084-101	External Power Adapter
	MP00085-001	External Power Adapter Cable
	MP00069-001	USB Drive MS-CIP Evaluation Application
	MP00063-019	Cable 36-inch Gecko Male to Female
DEV KIT	MP00087-001	IMU Development Kit
Dev Kit Includes:	MP00082-101	USB-UART DAQ
	MP00083-101	IMU Development Board
	MP00084-101	External Power Adapter
	MP00085-001	External Power Adapter Cable
	MP00069-001	USB Drive MS-CIP Evaluation Application
	MP00063-018	Cable 36-inch Gecko Female to Gecko Female
	MP00063-019	Cable 36-inch Gecko Male to Gecko Female
	CM01667	USB 2.0 A to Micro-USB B Cable 3-ft

Document Change 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	Released	Added new Evaluation Kit and Development Kit to Accessories. Removed old accessories and development kits.	2-21-2022