



## ORDERING GUIDE

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## 1.0 OPTIONS

### 1.1 PART NUMBERING

The standard part numbers, sensor ranges and associated ECCNs for the MS-IMU3020 are listed in the table below. All versions of the MS-IMU3020 have an Export Control Classification Number (ECCN) of No License Required (NLR).

Table 1 - Standard part numbers

MODEL NUMBER	PART NUMBER	MAXIMUM RANGES				
		ACCEL (g)	RATE (°/s)	MAGNETOMETER (gauss)	PRESSURE SENSOR (mBar)	ECCNs
MS-IMU3020	MP00062-005	±15	±1920	None	None	NLR
MS-IMU3020P	MP00062-007	±15	±1920	None	1260	NLR
MS-IMU3020M	MP00062-008	±15	±1920	±1.9	None	NLR
MS-IMU3020MP	MP00062-003	±15	±1920	±1.9	1260	NLR

### 1.2 MS-IMU3020 ACCESSORIES

Accessories available for the MS-IMU3020 include interface cables, a USB data acquisition module (USB-DAQ) and the MS-IMU3020 configuration software. The accessories allow an end user to rapidly connect, configure and collect evaluation data with the MS-IMU3020. 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	DESCRIPTION
C30X0-G10F-H6F-	MP00063-001	IMU 36-inch Development Interface Cable
C30X0-G10F-PTL-	MP00063-003	IMU 8-inch Unterminated Interface Cable
C30X0-G10F-PTL-	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-IMU3020 are listed in Table 14 below and include a 36-inch development cable, a 12-inch pigtail cable, a USB data acquisition module, the MS-IMU3020 configuration software and the MS-IMU3020 model indicated in the table.

Table 3 – Development kit part numbers

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-IMU3020 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

## Document Change History

REV	STATUS	DESCRIPTION	DATE
Prelim	Obsolete	Ordering guide preliminary release.	6-16-2016
A	Obsolete	Ordering guide initial release.	6-23-2016
B	Obsolete	Updated Part numbering export language. Updated format.	9-1-2017
C	Obsolete	Added development kit part numbers and removed MP00063-002 18-inch development cable.	1-8-2018
D	Obsolete	Added development kit export ECCNs. Updated product and document revisions to D.	10-4-2018
E	Obsolete	Updated product and document revisions.	10-23-2019
F	Obsolete	Updated product and document revisions.	11-1-2019
G	Obsolete	Updated product and document revisions.	7-10-2020
H	Obsolete	Revised the list of accessories and their part numbers in Table 2. Updated development kit content in Table 3. Added section 1.4 with evaluation kit description.	12-2-2022
J	Released	Updated the part number of the development kit to MP00087-001 (Table 3).	3-11-2024