

Techmor IM-1 RS232 Message Specifications (PN: IM-1-17-232)

Serial Port Settings:

Serial Baud Rate: 115.2k baud

Data Bits: 8

Parity: None

Stop Bits: 1

Flow Control: None

Message Frame:

<u>(2) Start</u>	<u>(4) Hex</u>	<u>(4) Hex</u>	<u>(4) Hex</u>	<u>(4) Hex</u>	<u>(4) Hex</u>	<u>(4) Hex</u>	<u>(1) End</u>
"IM"	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	(Carriage return)
	XGyro	YGyro	ZGyro	XAccel	YAccel	ZAccel	

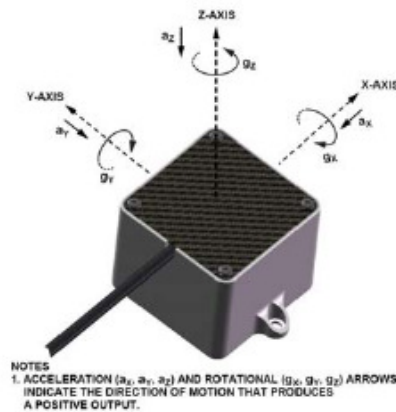
Message Types: 16-bit Signed Integers (S16) – Twos Complement

Message Gains:

Gyro Angular Rates = counts * 0.01250 deg/s/count

Accelerometers = counts * 0.00008333 g/count

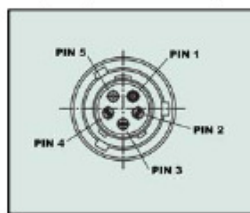
Axis Orientation:



Wiring:

- Pin 1 Red +6 to +12V Unregulated Power
- Pin 2 Blue Serial Output – RS232
- Pin 3 NC
- Pin 4 White Signal GND
- Pin 5 Black Power GND

Plug Front View



Female DB9 for PC Port

