

Feature	Min	Max	Resolution	Accuracy	Units
Compass Heading (Yaw)	0	360	< 0.2	< 1 ¹	[deg]
Roll	0	360	< 0.2	< 1	[deg]
Pitch ²	-90	90	< 0.2	< 1	[deg]
Linear Acceleration (3 axes)	-1,500	1,500	< 1	< 5	[mg]
Magnetic Field (3 axes)	-65,000	65,000	< 50	< 150	[nT]
Temperature (Steady-state)	-40	85	< 0.1	< 3	[°C]
Pressure (PT model only)	-14.7	300 or 500	< 0.1	< 2% Full Scale	[psi gauge]
Additional Outputs: Orientation Matrix, Quaternions					

Communication	Min	Typical	Max	Units
Data Update Rate	1	15	25	[hz]
Baud Rates	9,600; 19,200; 28,800; 38,400; 57,600; 115,200			[bps]
RS-232	Standard			
RS-485/422, Fiber Optic, TTL In-Line External Conversion Boards Available				
Communication Protocol	Contact info@clymer.cc			
Continuous and Polled Modes Available				

Power & Environment	Min	Typical	Max	Units	Notes
Supply Voltage	7.5		15	[V]	9 Volts Recommended
Supply Current Standard @ 7.5V		65		[mA]	
Supply Current PT Model @ 7.5V		85		[mA]	
Shock Survival ³		3,500		[g]	
Storage Temperature	-40		100	[°C]	
Operating Temperature	-10		50	[°C]	
Temperature Compensation	Temperature Compensated in Hardware and Additionally				Temperature Calibrated at 5 °C and 25 °C
Pressure Survivability (Standard)		2,500		[psi]	
Pressure Survivability (PT model)			3 x Full Scale	[psi]	

Physical	Dimension [in]	Dimension [mm]		
Standard Package				
Length (A)	3.85	97.8		
Diameter (B)	0.65	16.5		
Height (C)	0.52	13.2		
Cable Strain Relief Length (D)	0.75	19.1		
PT Package				
Length (A)	4.75	120.7		
Diameter (B)	0.77	19.6		
Height (C)	0.64	16.3		
Cable Strain Relief Length (D)	1.00	25.4		
Material	Vacuum Molded Epoxy/Polyurethane			
Connector (Standard)	8 Pin Mini-DIN Plug (4 wire interface: TX, RX, PWR, GND)			
Connector (PT model)	Subconn Micro8 Plug			
Cable	Polyurethane Jacketed, 6 ft, Standard (2 ft, PT model)			

¹Compass accuracy is defined as the RMS heading error at a simulated 68 degree latitude at roll = 0 & roll = 180; pitch = 0; Temperature = 15 deg C

²As Pitch approaches +/- 90, Roll is undefined

³Projected, based on individual component ratings