

WaveCatcher Sensor Information

Noise Measured	Sensor Model Number	Sensor Manufacturer	Sensitivity (Volts/EU)	Frequency Range	# of Axes	Measurement Type (measured units)	Measurement Range	ICP Sensor (Yes/No)
Vibration Noise	VA-3	Table Stable Ltd.	10,000	2 – 1,000 Hz	3	Velocity (m/s)	10 ⁻⁷ – 10 ⁻³ m/s	No
	393B31	PCB Inc.	10 = MFG target, but varies (each sensor is unique)	0 – 300 Hz	1	Acceleration (g's)	0.5g pk	Yes
Acoustic Noise	130E20	PCB Inc.	40 = MFG target, but varies (each mic is unique)	20 – 20,000 Hz	N/A	Omni-directional (pascal)	N/A	Yes
EMI Noise	MAG649	Bartington	3	0 – 1,000 Hz	3	AC OR DC Fields (T: Tesla)	+ - 100 μT	No
	MAG-03MC100	Bartington	10	0 – 3,000 Hz	3	AC OR DC Fields (G: Gauss)	+ - 100 μT	No

Legend

Noise Measured	Type of environmental noise being measured by the sensor.	# of Axes	Number of axes measured by the sensor (X, Y, and/or Z)
Sensor Model #	Unique identifier for the sensor set by the manufacturer.	Measurement Type	Type of measurement performed by sensor and measurement units.
Sensor Manufacturer	Manufacturer of the sensor.	Measurement Range	Range of amplitudes measured by sensor.
Sensitivity (volts/EU)	Sensitivity value used when measuring with the WaveCatcher. Volts/Engineering Unit (EU) is often used to identify sensitivity.	ICP Sensor	Internally Controlled Power Sensor draws power directly from the WaveCatcher's A/D Converter. Having this setting correctly entered in the WaveCatcher software is critical .
Frequency Range	Range of frequencies (Hz) measured by the sensor.		