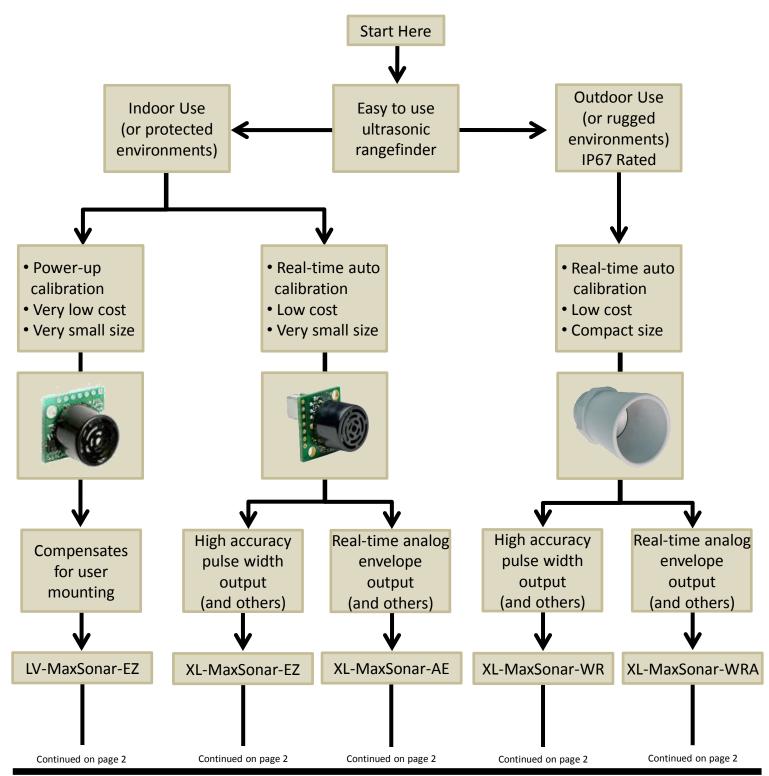
Choose the Proper Ultrasonic Sensor for your Application

This guide will help you select the correct MaxSonar® sensor for your use. We believe that the MaxSonar® sensors are among the easiest to use ultrasonic rangefinders available.



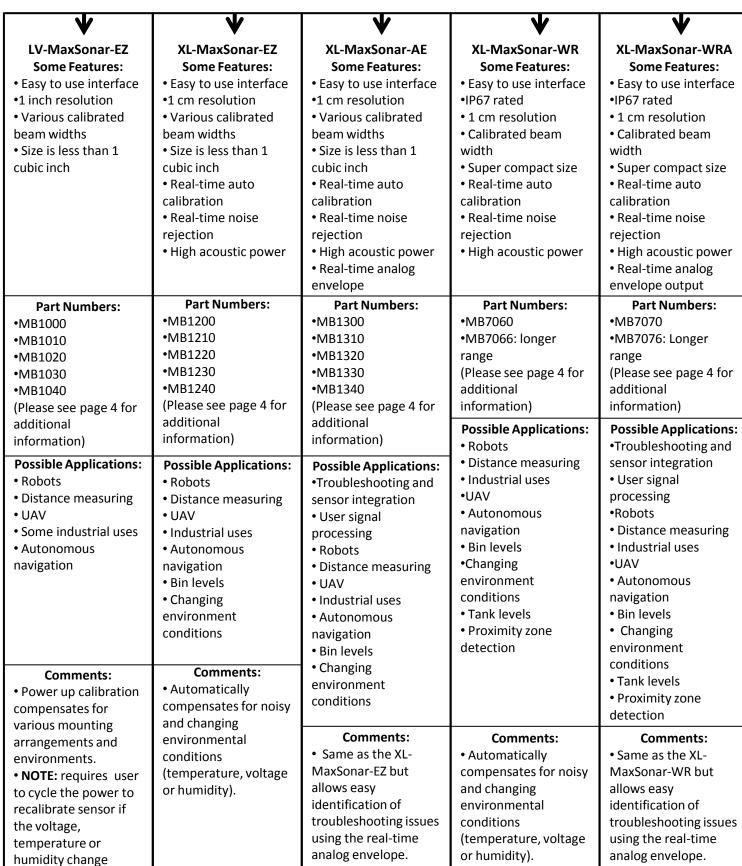
Product Line

	Product Line				
	V	V	V	V	V
	LV-MaxSonar-EZ	XL-MaxSonar-EZ	XL-MaxSonar-AE	XL-MaxSonar-WR	XL-MaxSonar-WRA
Easy to use interface	Yes	Yes	Yes	Yes	Yes
Trigger or Free-run Operation	Yes	Yes	Yes	Yes	Yes
Stable Range Data	Yes	Yes	Yes	Yes	Yes
Serial Output	Yes	Yes	Yes	Yes	Yes
Analog Voltage Range Output	Yes	Yes	Yes	Yes	Yes
Pulse Width Output	Yes	Yes	No	Yes	No
Real-time Analog Envelope		1.03	110	163	110
Output of the Acoustic Waveform	No	No	Yes	No	Yes
	No (can be mounted in a way that protects the sensor from	No (can be mounted in a way that protects the sensor from	No (can be mounted in a way that protects the sensor from		
Outdoor Use (IP67 Rated)	exposure to the elements.)	exposure to the elements.)	exposure to the elements.)	Yes	Yes
Recommended for Industrial Use	Some	Yes	Yes	Yes	Yes
Recommended for Hobby Use	Yes	Yes	Yes	Yes	Yes
Automatic Calibration to Compensate for Changes in Temperature, Voltage,	On power up	.,	.,	.,	.,
Humidity and Noise.	only	Yes	Yes	Yes	Yes
Has noise canceling	Some	Yes	Yes	Yes	Yes
Resolution Maximum Rate Readings	1 inch	1 cm	1 cm	1 cm	1 cm
are taken	20Hz	10Hz	10Hz	10Hz	10Hz
3.3V Operation, Average Current Draw	2mA	2.1mA	2.1mA	2.1mA	2.1mA
5V Operation, Average Current Draw	3mA	3.4mA	3.4mA	3.4mA	3.4mA
Acoustic Frequency	42kHz	42kHz	42kHz	42kHz	42kHz
Minimum Object Detection Distance (1)	0"	0 cm	0 cm	0 cm	0 cm
Minimum Reported Distance (1)	6 inches				
Distance (-)	6 inches 254 inches	20 cm 765 cm ^{(2) 1068cm}	20 cm 765 cm ^{(2) 1068cm}	25 cm 765 cm ^{(2) 1068cm}	25 cm 765 cm ^{(2) 1068cm}
Maximum Range	(6.45 meters)	(25.1 feet)	(25.1 feet)	(25.1 feet)	(25.1 feet)
Semi-custom solution	(511511151515)	(====	(======================================	(======================================	(====,
available to meet almost any need	Yes ⁽³⁾	Yes ⁽³⁾	Yes ⁽³⁾	Yes ⁽³⁾	Yes ⁽³⁾
Note 1: Objects closer than the Note 2: Available by request Note 3: Contact MaxBotix Inc.	·	n evaluated. Continued	Continued	Continued	Continued
	on page 3	on page 3	on page 3	on page 3	on page 3



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during operation.

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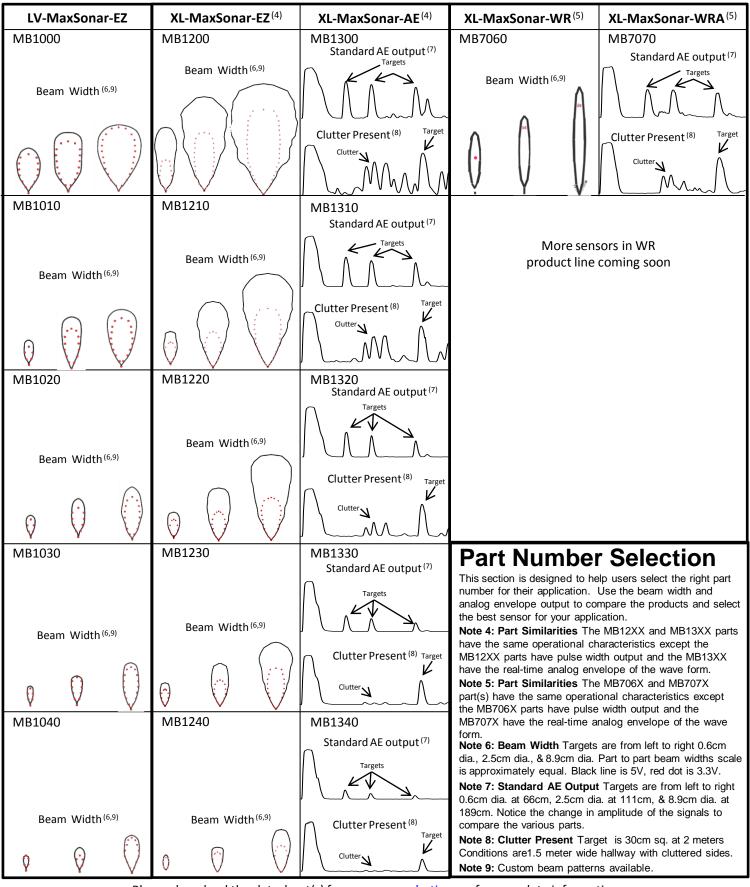
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Continued on page 4



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Selection Guide



Please download the datasheet(s) from www.maxbotix.com for complete information



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