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Ultrasonic Sensor XL-MaxSonar-WR-Water Proof(MB7060-200)

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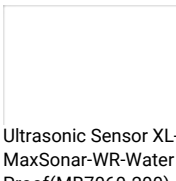
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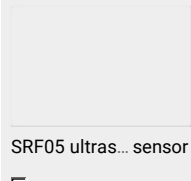
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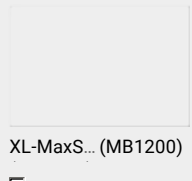
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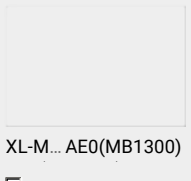
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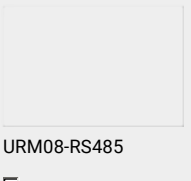
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INTRODUCTION

The XL-MaxSonar®-WR sensor provides very short to long-range detection and ranging, in a compact, robust PVC housing, designed to meet IP67 water intrusion, and matches standard electrical ¾" PCV pipe fittings. The sensor puts 1/2 watt of peak power into the efficient transformer driving the transducer, yielding high output acoustic power. This acoustic power combined with continuously variable gain, real-time waveform signature analysis, and real-time noise rejection algorithms result in virtually noise-free distance readings for most users. This holds true even in the presence of many of the various acoustic or electrical noise sources. The XL-MaxSonar®-WRC1 detects objects from 3-cm to 645-cm (21.2-feet) and provides sonar range information from 20-cm out to 645-cm with 1-cm resolution. Objects from 3-cm to 20-cm range as 20-cm. The interface output formats included are pulse width output, analog voltage output, and serial digital output.

Note: This product has no temperature compensation.

SPECIFICATION

- MaxModel:MB7060-200
- 42kHz Ultrasonic sensor
- Operates from 3-5.5V
- Supply current: 2.1mA(3.3V) 3.4mA(5V)
- 10Hz reading rate
- RS232 Serial Output - 9600bps
- Analog Output - (Vcc/512)/inch
- PWM Output - 147uS/inch
- Designed for outdoor applications
- Range: 0~765m

DOCUMENTS

- [Using a MaxSonar With an Arduino](#)
- [Using a MaxSonar with a Raspberry Pi](#)
- [Datasheet](#)
- [MaxBotix Tutorials/FAQ](#)

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- Ultrasonic Sensor XL-MaxSonar -WR-Water Proof x1

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Will it work under water?

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Hey,

Thanks for the question. The sensor is rated for IP67 , which supports submersion for up to 1 meter for 30 minutes and therefore the sensor should not be used underwater for more than this allotted time and depth

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