



Ultrasonic Range Finder - LV-MaxSonar-EZ1

SEN-00639 ROHS✓

★★★★☆ 5



\$25.95

1 quantity

☒ 250+ in stock

\$25.95 1+ units

\$24.65 25+ units

\$23.36 100+ units

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Description: This is the fantastically easy to use sensor from Maxbotix. We are extremely pleased with the size, quality, and ease of use of this little range finder. The serial interface is a bit odd (it's RS232 instead of standard TTL), but the PWM and Analog interfaces will allow any micro to listen easily enough. The sensor provides very accurate readings of 0 to 255 inches (0 to 6.45m) in 1 inch increments with little or no dead zone!

Maxbotix is offering the EZ0, EZ1, EZ2, EZ3, and EZ4 with progressively narrower beam angles allowing the sensor to match the application. Please see beam width explanation below.

Control up to 10 sensors with only two pins! Checkout the Maxbotix FAQ listed below.

SparkFun Simple Sketches - Ultrasonic Rangefinder



Features:

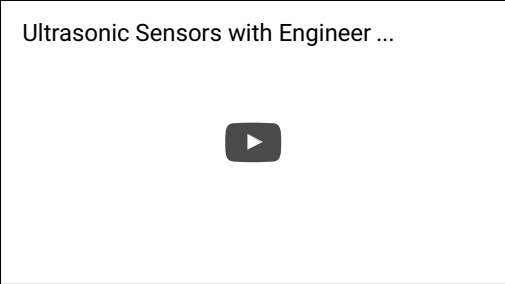
- 42kHz Ultrasonic sensor
- Operates from 2.5-5.5V
- Low 2mA supply current
- 20Hz reading rate

- RS232 Serial Output - 9600bps
- Analog Output - 10mV/inch
- PWM Output - 147uS/inch
- Small, light weight module

Documents:

- Datasheet
- Tutorial
- Beam Width Explanation
- Maxbotix FAQ
- Sensor Selection Guide

Checkout Mikey Sklar's flame-based trampoline, the high-lighter, using the EZ1!



Recommended Products



SPARKFUN RECOMMENDED
SparkFun Sensor Kit
DEV-13754
\$129.95



SPARKFUN RECOMMENDED
Ultrasonic Sensor - HC-SR04
SEN-13959
\$3.95



SPARKFUN RECOMMENDED
SparkFun Analog/Digital MUX Breakout - CD74HC4067
BOB-09056
\$4.95
★★★★☆ 9



SPARKFUN RECOMMENDED
Ultrasonic Range Finder - HRLV-MaxSonar-EZ4
SEN-11309
\$34.95
★★★★★ 1

COMMENTS 69

REVIEWS ★★★★★ 5

Customer Reviews

★★★★☆ 4.6 out of 5

Based on 5 ratings:

5 star	3
4 star	2
3 star	0
2 star	0
1 star	0

★★★★★ Great

about 8 months ago by Member #528848 ✓ verified purchaser

Worked as advertised. Really nice.

★★★★☆ Very Good but tricky in multiples

about 8 months ago by Member #152437 ✓ verified purchaser

When using more than one on a project, some trial and error may be necessary to get them to work using the Maxbotix wiring schemes. Micro and millisecond timing using Arduinos and other controllers is not accurate so actual pulse timing may not correspond to your coding.

★★★★☆ Best option I came across

about 2 months ago by Member #838855 ✓ verified purchaser

I tried a few sensors and this was the most consistent. Works great on walls and other flat surfaces. I'm using it to detect people, which is a more abstract object, so the range is less and sometimes gives bad readings. But for the most part, I'm happy with the purchase. Would buy again.

★★★★★ Works great

about a year ago by vizzie ✓ verified purchaser

Super easy to hook up and start using in my project

★★★★★ Excellent product

about a year ago by Member #591956 ✓ verified purchaser

The range finding is very accurate. Its doing a wonderful job for its size and price
