



Maxbotix Ultrasonic Rangefinder - LV-EZ2 - LV-EZ2

PRODUCT ID: 980

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DESCRIPTION

TECHNICAL DETAILS

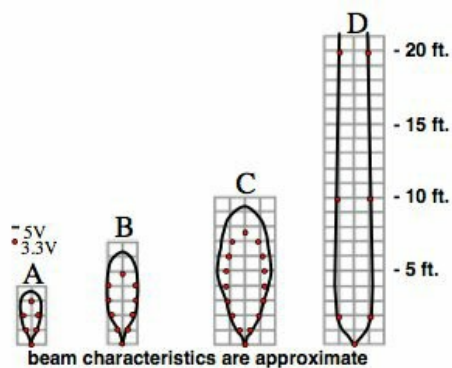
DESCRIPTION

LV-EZ2 Maxbotix Ultrasonic Rangefinder provides very short to long-range detection and ranging, in an incredibly small package. It can detect objects from 0-inches to 254-inches (6.45-meters) and provides sonar range information from 6-inches out to 254-inches with 1-inch resolution. (Objects from 0 inches to 6-inches range as 6-inches.) The interface output formats included are pulse width output (PWM), analog voltage output ($V_{cc}/512$ volts per inch), and serial digital output (9600 baud).

A good sensor for when a Sharp IR distance sensor won't cut it. For example of using this with an Arduino, see the [Halloween Pumpkin project](#).

Many applications require a narrower beam or lower sensitivity than the LV MaxSonar EZ1. Consequently, MaxBotix is offering the EZ2, [EZ3](#), & [EZ4](#) with progressively narrower beam angles allowing the sensor to match the application.

LV-EZ2 Data Sheet / [Product Information Guide](#) is available [here](#).



The different LV models have different beam width patterns, check this image for a comparison of all the LV model beam patterns. For higher sensitivity, check out the HR-LV models - they have up to 1mm sensitivity and 5 meter range!

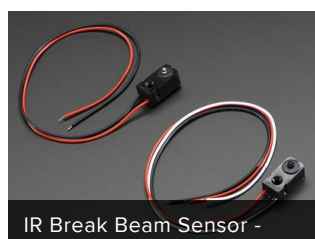
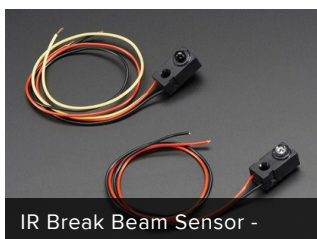
TECHNICAL DETAILS

Dimensions:

- Length: 15.52mm/0.61in
- Width: 22.36mm/0.88in
- Height: 20.0mm/0.79in
- Weight: 4.23g/0.15oz



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*"A delayed game is eventually good,
a bad game is bad forever" -*
Shigeru Miyamoto



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