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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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SENSORS / PROXIMITY

# Maxbotix Ultrasonic Rangefinder – LV-EZ2 – LV-EZ2

PRODUCT ID: 980



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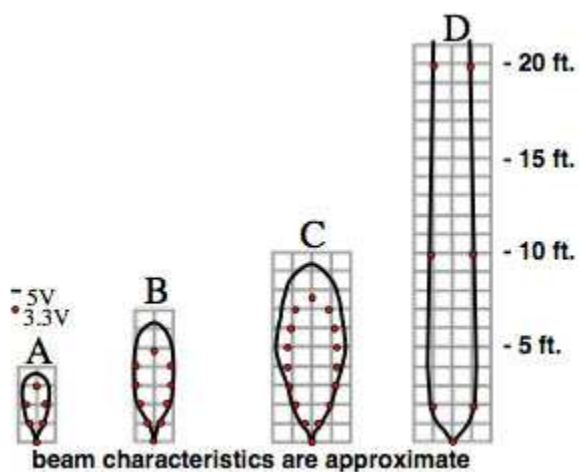
## DESCRIPTION

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 (Vcc/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!

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