

SENSORS / PROXIMITY

Maxbotix Ultrasonic Rangefinder – LV-EZ4 – LV-EZ4

PRODUCT ID: 982



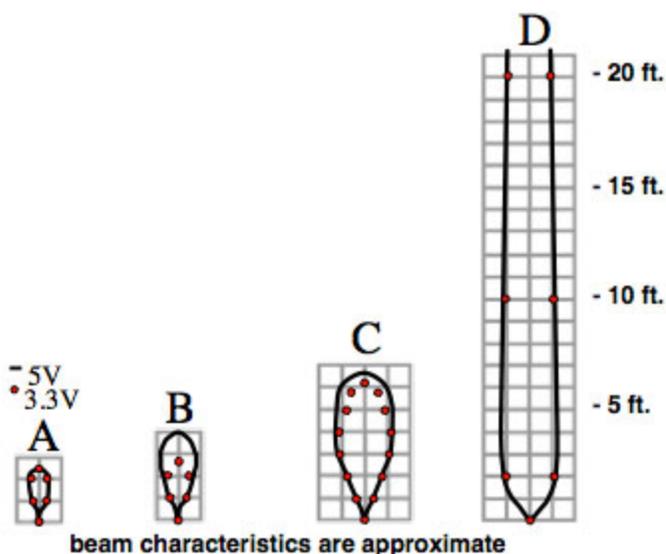
DESCRIPTION

LV-EZ4 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-EZ4 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!
