

Ultralyd-sonar LV-EZ2



Produktkode: 190aa

Tilgjengelighet: 1

Lager : S178b

Pris: kr. 460,00

Short Description

MB1020 LV-MaxSonar-EZ2 Range Finder

Beskrivelse

This easy to use sensor is from the Maxbotix company. The LV-MaxSonar-EZ2 offers very short to long-range detection and ranging, in an incredibly small package with ultra low power consumption. The LV-MaxSonar-EZ2 detects 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 between 0-inches and 6-inches range as 6-inches. The interface output formats included are pulse width output, analog voltage output, and asynchronous serial digital output.

Many Applications require a more narrow beam than the EZ0 and EZ1. The EZ2 offers progressively narrower beam angle allowing the sensor to match the application.

MaxSonar-EZ2 detects objects from 0" to 254".

- 2.5-5.5V operation range. Low 2mA supply current.
- 42kHz Ultrasonic sensor with 20Hz reading rate.
- Incredibly Small Package Sonar Range Finder.
- Serial Output, PWM output, Analog Output.
- Product Dimensions: 0.6 x 0.9 x 0.8 inches ; 5 ounces

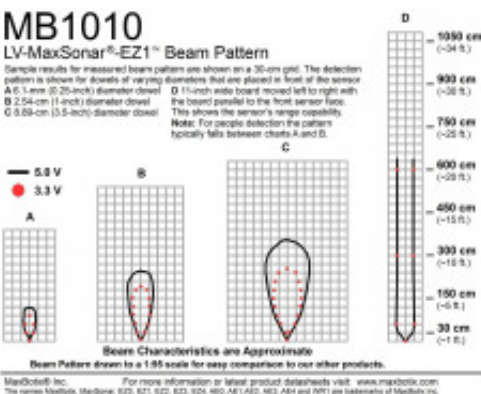
Oppsett kontroller:

<https://ardupilot.org/copter/docs/sonar.html>

Tilkoblinger

Oppsett i Ardupilot

Product Gallery



LV-MaxSonar-EZ1™
High Performance
Sonar Range Finder

MaxBotix, Inc. (MaxBotix) is proud to announce the LV-MaxSonar-EZ1™, a high performance, low cost, and easy to use sonar range finder. The LV-MaxSonar-EZ1™ is a non-contact, non-destructive, and non-invasive sensor that can be used to detect the presence of objects in its field of view. It is a perfect addition to any robot or automated system that requires a reliable way to detect the presence of objects in its environment.

Features:

- Continuously variable range
- Non-destructive and non-invasive
- Easy to use and easy to integrate
- Low cost and easy to integrate
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Specifications:

- Range: 0.1 to 100 cm
- Resolution: 1 cm
- Accuracy: ±1 cm
- Power: 5V DC, 100 mA
- Operating Temperature: -40°C to 85°C
- Storage Temperature: -55°C to 125°C
- Humidity: 0% to 100%
- Weight: 1.5 g
- Dimensions: 1.5 x 1.5 x 1.5 cm

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MB1010™
LV-MaxSonar-EZ1™ Beam Pattern

Sample results for measured beam pattern are shown on a 30-cm grid. The detection pattern is shown for diameters of varying diameters that are placed in front of the sensor. This shows the sensor's range capability.

Note: For people detection the pattern typically falls between charts A and D.

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