MaxBotix EZ-1 Sonar Sensor

Product Description

The Sonar Sensor is a compact high performance ultrasonic rangefinder made by MaxBotix that can detect objects at a distance of 6 to 254 inches (6.45 m) with a 1 inch (25.4 mm)resolution. The sensor automatically calibrates itself when powered up.

The sensor cable that ships with the 1128 must be soldered to the sensor board; the EZ-1 sensor can then be connected to an analog port on a PhidgetInterface board and controlled through our powerful API.

Comes packaged with

- 3002 — 60cm Sensor Cable that must be soldered to the sensor board.

Resources

For information on connecting the sonar sensor and using the Phidgets API, read the Product Manual. For detailed technical information on the EZ1 sensor, read the Maxbotix datasheet.

- User Guide

- Maxbotix EZ1 Datasheet

Product Specifications

Sensor Properties

Sensor Type	Distance (Sonar)
Sensor Output Type	Ratiometric
Measurement Distance Min	152.4 mm
Measurement Distance Max	6.5 m
Measurement Distance Resolution	25.4 mm
Sonar Ping Rate	20 Hz

Electrical Properties

Supply Voltage Min	3 V DC
Supply Voltage Max	5.3 V DC
Current Consumption Max	3 mA
Output Impedance	14.7 k?

Physical Properties

Operating Temperature Min	-40 °C
Operating Temperature Max	65 °C