HC-SR04 Ultrasonic Sonar Distance Sensor
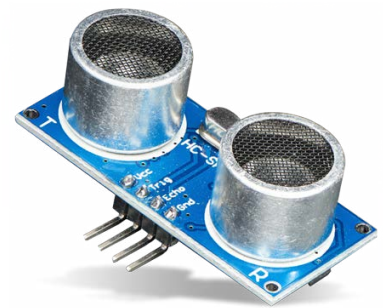
Product ID: 3942

Product Overview
08-30-2021
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Description

Adafruit HC-SR04 Ultrasonic Sonar Distance Sensor is used for automation, interactive art and motion sensing. This sensor is fast, easy to use, low cost, and is common in robotics projects. The device's Trig signal can be 3V or 5V, while the "return" Echo signal is 5V logic. For that reason, two 10K resistors are included for use as a divider to convert the 5V logic level to a safe 2.5V for 3V devices. The HC-SR04 sensor works at about 2cm to 400cm away, but 10cm-250cm can provide ideal results.

Features

- 5V DC power and logic voltage
- 15mA current during measurement
- 40kHz ultrasonic frequency
- 15° measuring angle
- 10uS high pulse trigger input signal
- 45.5mm x 20mm x 15.5mm sensor dimensions (excluding header)
- Weighs about 8.7gm

Mouser Part Number(s)

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To learn more, visit https://www.mouser.com/new/adafruit/adafruit-distance-sensors/