# URM13 Ultrasonic Sensor

## Product Overview
07/01/2022
For the most up-to-date information, visit www.mouser.com or the supplier's website.

## Description

DFRobot URM13 Ultrasonic Sensor is an ultrasonic ranging sensor with open single-probe. This sensor supports TRIG Pulse-triggered ranging (SR04 compatible), UART, and $I^2C$ communication protocols. The URM13 Ultrasonic Sensor has a small and compact body, making the sensor easy to use and integrate into various applications. This sensor works well with 3.3V or 5V mainboards like Arduino and Raspberry Pi.

The URM13 Ultrasonic Sensor features excellent sensitivity, automatic noise detection, real-time calibration, HC-SR04 compatible, 1cm resolution, and 1% accuracy.
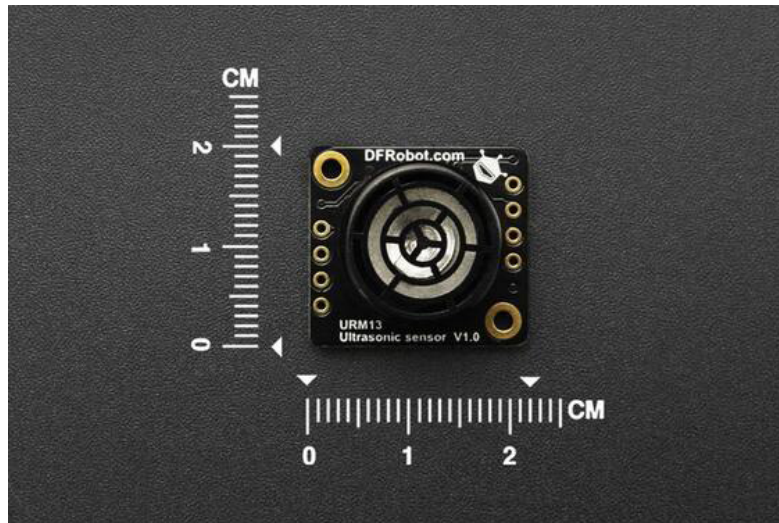
## Features

- Excellent sensitivity
- Automatic noise detection and real-time calibration
- HC-SR04 compatible
- Small and compact body
- UART and $I^2C$ interface, support to expand RS485

## Specifications

- $3.3V_{DC}$ to $5.5V_{DC}$ power supply
- 350mA maximum instantaneous work current
- -10°C to 70°C operating temperature
- 15cm to 900cm effective measuring range
- 1cm resolution
- 1% accuracy
- 10Hz maximum measuring frequency
- 22mm x 20mm/0.87" x 0.79" dimensions

## Dimensional Diagram



## Mouser Part Number

View Part

To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-urm13-sensor/