

Gravity: URM09 Ultrasonic Sensor (Trig)

SEN0388

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

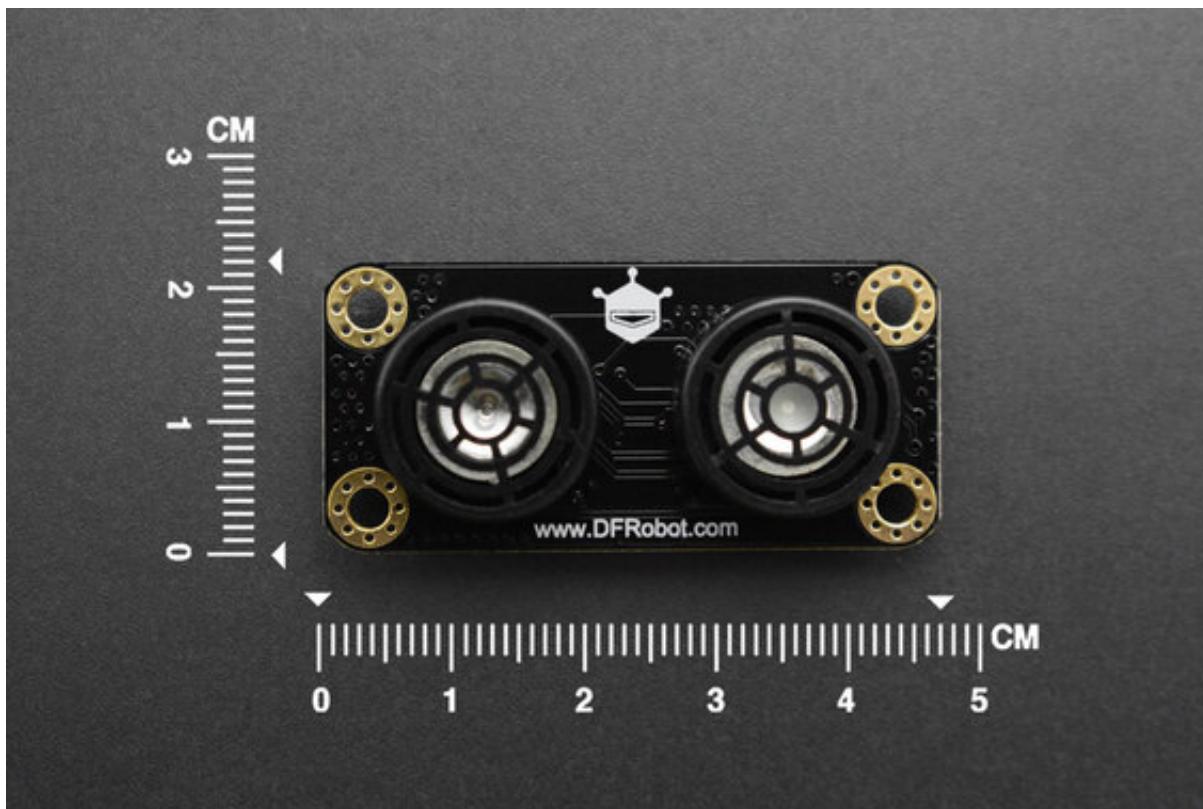
DFRobot Gravity: URM09 Ultrasonic Sensor (Trig) is a non-contact ultrasonic ranging sensor of high-performance from URM09 series. The ranging function of this sensor is triggered by high/low-level output from the I/O ports of a host, which is similar to SR04 ultrasonic ranging modules in principle and using method. This sensor employs a standard PH 2.0-3P gravity vertical interface, with an accuracy of 1% within an effective measuring range of 2cm to 500cm (test on a flat wall). This sensor multiplexes output and input signals onto a single port, and converts ultrasonic flight time into a high pulse to output. With one I/O port of a controller, users can easily use the sensor for distance measurement.



Specifications

- 3.3V to 5.5V DC Operating voltage range
- <20mA Max instantaneous working current
- -10°C to 70°C Operating temperature range
- 1% Accuracy
- Acoustic frequency 40 ± 2 KHz
- 25Hz maximum ranging frequency
- 47mm x 22mm/1.85" x 0.87" dimensions
- 2cm to 500cm effective ranging range
- 1cm resolution
- 1x Threshold module1
- 1x Display module

Board Dimensions



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-gravity-urm09-sensor/>