SEN0304 Ultrasonic Sensor Module

Product Overview
07/18/2022
For the most up-to-date information, visit www.mouser.com or the supplier's website.
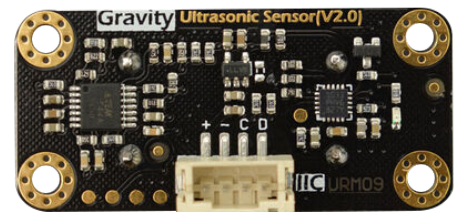
Description

DFRobot SEN0304 Ultrasonic Sensor Module comes with an open dual probe. This module is compatible with 3.3V or 5V logical level controllers like Arduino and Raspberry Pi. The ultrasonic sensor module offers a resolution of 1cm and an accuracy of ±1%.

The SEN0304 module features built-in temperature compensation ranging from 2cm to 500cm, and its measuring frequency reaches up to 50Hz. The SEN0304 sensor module adopts I^2C communication and standard interface of gravity PH2.0-4P vertical patch socket. The SEN0304 sensor also features an on-board LDO, which avoids performance attenuation within the power supply range.
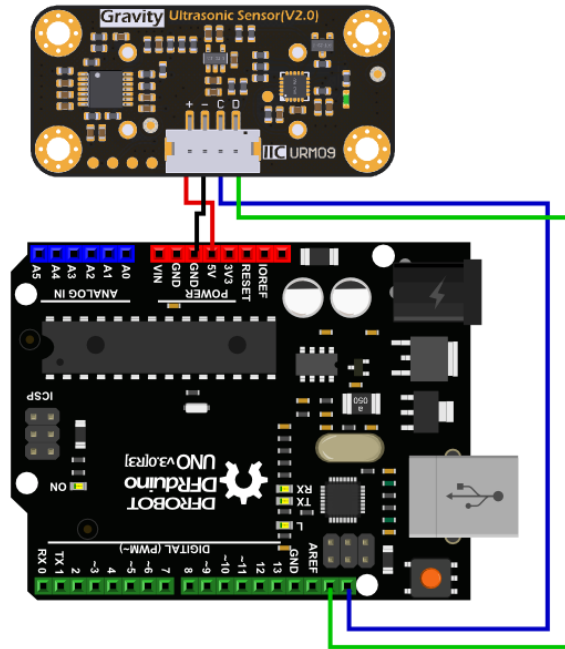
Features

- Compatible with 3.3V or 5V logical level controllers like Arduino and Raspberry Pi
- Adopts I^2C communication and standard interface of Gravity PH2.0-4P vertical patch socket
- Built-in temperature compensation
- Three measurement ranges were designed for programs to select (150cm, 300cm, and 500cm)
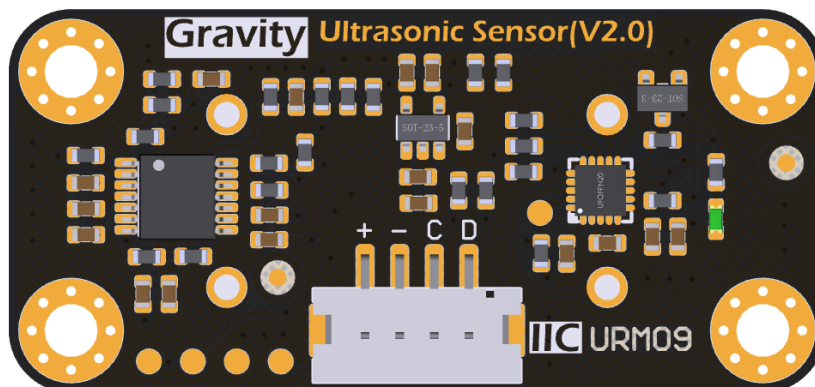
Specifications

- 20mA operating current
- -10°C to 70°C operating temperature range
- 1cm resolution
- 60° direction angle
- 1% precision
- 50Hz (maximum) frequency
- 47mm x 22mm/1.85" x 0.87" dimensions
- 3.3V to 5.5V DC supply voltage range

Connection Diagram

Pinout Diagram

Learn More About

https://www.mouser.com/new/dfrobot/dfrobot-gravity/

Mouser Part Number

View Part

To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-sen0304-module/