

# URM12 Ultrasonic Sensor (1500cm & RS485)

SEN0310

## Product Overview

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For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot URM12 Ultrasonic Sensor (1500cm & RS485) is designed for distance ranging or obstacle avoidance applications. The sensor has up to 1500cm detection distance, 3Hz measuring frequency, and 15° detection angle. It features the RS485 communication interface and supports the standard Modbus-RTU communication protocol. This makes it ideal for level measurement, and robot obstacle avoidance.



## Features

- 9V<sub>DC</sub> to 24V<sub>DC</sub> power supply
- 4.8W rated power
- -10°C to +70°C operating temperature range
- 70cm to 1500cm effective detection range
- 1cm resolution
- 1% accuracy
- IP65 grade
- 15° ±2°(-6dB) direction angle
- 3Hz max measuring frequency
- RS485 communication interface
- Modbus-RTU communication protocol

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-urm12-ultrasonic-sensor/>