



PRODUCT NAME : Ultrasonic Distance
Sensor PWM O/P for Arduino/Rasp
berry-Pi/Robotics

PRICE : Rs 1,200.00

SKU : RM0101



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DESCRIPTION

The "ECHO" **Ultrasonic Distance Sensor** from Robomart is an amazing product that provides very short (2CM) to long-range (4M) detection and ranging. The sensor provides precise, stable non-contact distance measurements from about 2 cm to 4 meters with very high accuracy. Its compact size, higher range and easy usability make it a handy sensor for distance measurement and mapping. The board can easily be interfaced to micro-controllers where the triggering and measurement can be done using **Single I/O pin**. The sensor transmits an ultrasonic wave and produces an output pulse that corresponds to the time required for the burst echo to return to the sensor. By measuring the echo pulse width, the distance to target can easily be calculated.

Features of Ultrasonic Distance Sensor PWM O/P:

- **Ultrasonic Sensor measures distance of 2 cm to 4 m.**
- Accurate and Stable range data.
- Data loss in Error zone eliminated.
- Accurate and Stable range data.
- Modulation at 40 K Hz.
- Mounting holes provided on the circuit board.
- Triggered externally by supplying a pulse to the signal pin.
- Accurate and Stable range data.
- 5 V DC Supply voltage.
- Current < 20 mA.
- Bidirectional TTL pulse interface on a single I/O pin can communicate with 5 V TTL or 3.3 V CMOS micro-controllers.
- Echo pulse: positive TTL pulse, 87 μ s minimum to 30 ms maximum(PWM).
- 3-pin header makes it easy to connect using a servo extension cable, no soldering required.

Applications of Ultrasonic Distance Sensor PWM O/P:

- Range Finder.
- Distance Sensor.
- DIY projects for various Robot designs.

Also Searched as : **Ultrasonic Distance Sensor PWM O/P, Ultrasonic sensor Module**