



ULTRASONIC DISTANCE METER FOR CAR


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“I declare that this report entitled “*Ultrasonic Distance Meter For Car*” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

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ACKNOWLEDGEMENT

In the name of Allah, the most precious, most merciful. Peace and blessing of Allah be on his last messenger ,Prophet Muhammad S.A.W, who has guide us right way through the darkness of ignorance and kufr.

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ABSTRACT

This project is implemented to fulfill our objective, that is, to provide visual and audio assistance to the car driver in alerting the distance between the cars in order to avoid accidents. This project is named as “Ultrasonic Distance Meter For Car”.

Ultrasonic Distance Meter For Car is an electronic device that used to provide visual and audio assistance to the car driver in alerting the distance between the cars by taking the measurement of the distance between the driver’s car and the car at in front of driver’s car. This device is equipped with two ultrasonic sensors, an LCD Display, a buzzer and pushbutton. These components are located in a covered device.

The operation of this device is based on the distance measurement reading. This device is operated based on closed-loop control system where sensors is available to provide measurement. The LCD display provide the distance reading up to 6 meters from the sensors and both buzzer and LED light will be activated once the distance between driver’s car and the car at in front of driver’s car is less than 1 meter.

By making this device, we hope that the rate of accident can be reduced and may saving more lives as well as improves the importance of road safety among the society.

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