

PHOTOMETER

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ABSTRACT

In this report, I am going to describe in detail the process of construct a photometer to measure light intensity and display its results. Construction and observations of this project will be discussed. Besides that, advantages and disadvantages of this project also mentioned here. According to the disadvantages, some sort of suggestions has been pointed out to avoid it.

A study on this report will give you a better understanding on the electronic components used in this report, such as 556 timer integrated circuit, 4020 integrated circuit, LM3914 integrated circuit and cadmium sulfide light sensor. Especially, the light sensor, it is an interesting component. The resistance value across it will vary due to the light intensity detected by it. It also can be applied to many real life applications that easy to construct, all the typical application is included in the Appendix.