

Research on ADC method using potentiometer to control light intensity

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Abstract: This topic focuses on researching and developing an analog-to-digital signal conversion (ADC) method using a light intensity-controlled potentiometer technique. The context of the topic is set within the practical need for fast and accurate signal conversion. The main objective is to build an ADC system based on the potentiometer principle, aiming to improve conversion performance compared to traditional methods. The research method combines theory and experimentation to ensure the accuracy of the solution. The significance of the topic lies in its new contribution to the technical science of ADC and its potential applications in modern electronic systems.

Keywords: ADC, Potentiometer, Light signal