

# **Design of a DC voltage measurement circuit in the range from +5V to +24V displaying results on a 7-segment LED.**

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**Abstract:** This topic focuses on designing and implementing a DC voltage measurement system capable of operating in the range from +5V to +24V. The main objective is to build an accurate and stable voltage measurement circuit suitable for various practical applications such as industrial electronics. The research methodology includes both theoretical and experimental approaches to ensure the system's effectiveness. The expected results from this topic not only provide a solution for modern measurement problems but also contribute significantly to the field of electronic engineering, particularly in improving the quality of 7-segment LED display devices.

**Keywords:** Circuit design, voltage measurement, 7-segment LED, practical application, electronic engineering