

Research and design of a circuit for measuring heart rate and blood oxygen saturation.

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Abstract: This topic aims to research and design an intelligent measurement system that allows simultaneous monitoring of heart rate and blood oxygen saturation (SpO₂), meeting the urgent needs of modern healthcare. The approach combines electronic technology theory with practical implementation. The project is expected to create a useful solution for hospitals and individual users, contributing to improving the quality of community healthcare.

Keywords: Research on measurement circuits, Oxygen saturation (SpO₂), Electronic technology, Modern healthcare, Heart rate measurement circuit