

Design and fabrication of a device for measuring Nitrate parameters in water

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Abstract: In the context of increasingly severe environmental pollution, monitoring and managing water quality has become urgent. This topic focuses on designing and manufacturing a device to measure nitrate parameters in water, aiming to provide a practical solution for researchers and industry. The project's objective is to build an accurate, stable, and cost-effective measurement system for widespread application. The chosen method includes theoretical research on nitrate chemistry and practical testing on various water samples. The expected results of this topic not only contribute to environmental science and engineering but also support environmental management and the protection of clean water sources.

Keywords: Measuring equipment, Nitrate, Environment, Analytical technique, Nitrate nitrogen