

## New methodical approach to the potentiometric analysis of natural water

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### Abstract

We propose a potentiometric analysis method of the ion concentration in aqueous solutions, based on measurement of the electrode potential change rate after a controlled change in the concentration, as well as design of semi-automatic device that implements this method. The described approach significantly reduces the time of potentiometric measurements and allows to reduce the systematic error of the method due to considering the sample matrix. Created semi-automatic device allows to measure the ions concentration in such a methodical approach.