

**MEASURING ELECTROCHEMICAL IMPEDANCE RESISTANCE
USING MINIATURIZED TWO-ELECTRODE CONDUCTIVITY CELL**

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The article discussed the particular supply two-electrode contact cells pulsed voltage with ramp leading edge. The conditions, which guarantee the linearity of the current through the conductivity cell from the conductivity of the solution. The description of the structure of the contact conductivity meter pulse realizing a two-electrode cell power voltage linearly rising edge. Discussed the possibility of quantifying the discharge of pollutants into waters flow on the basis of long-term monitoring of conductivity.

Keywords: conductivity sensor, electrochemical impedance, slew rate, an electric double layer, equivalent circuit.

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