Zimmer & Peacock

eSensor Manufacturing and Technology

Potentiometric Sensors

2017



Zimmer & Peacock

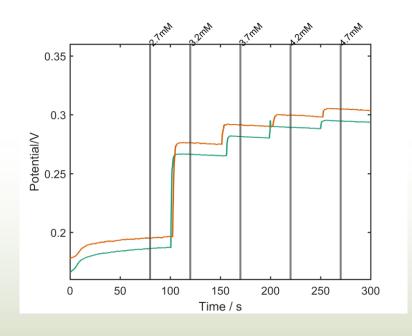
eSensor Manufacturing and Technology

Potassium, Sodium, pH, Ammonium etc.

Ion-selective electrodes

Electrochemical detection of glucose

Description

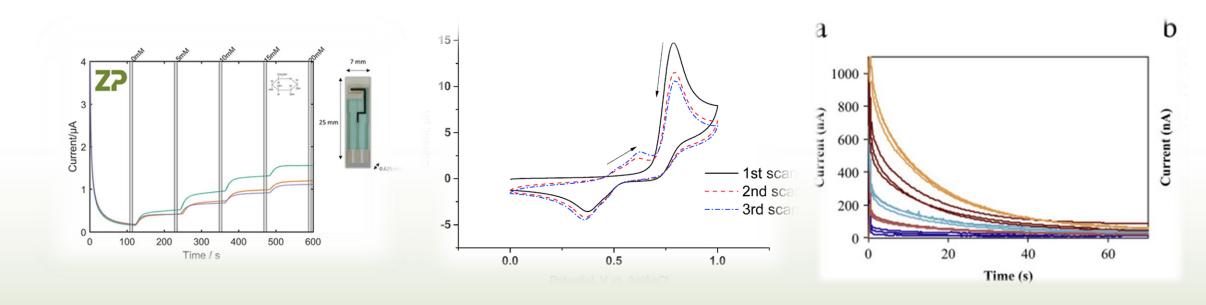




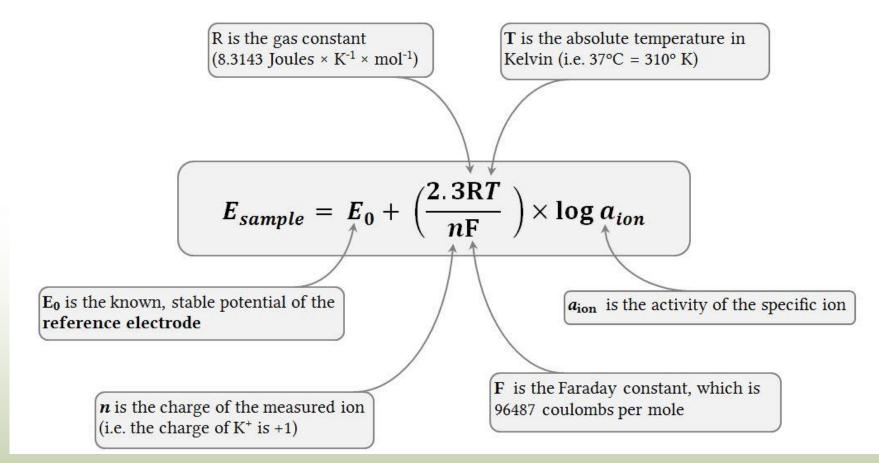


Potentiometric versus current methods

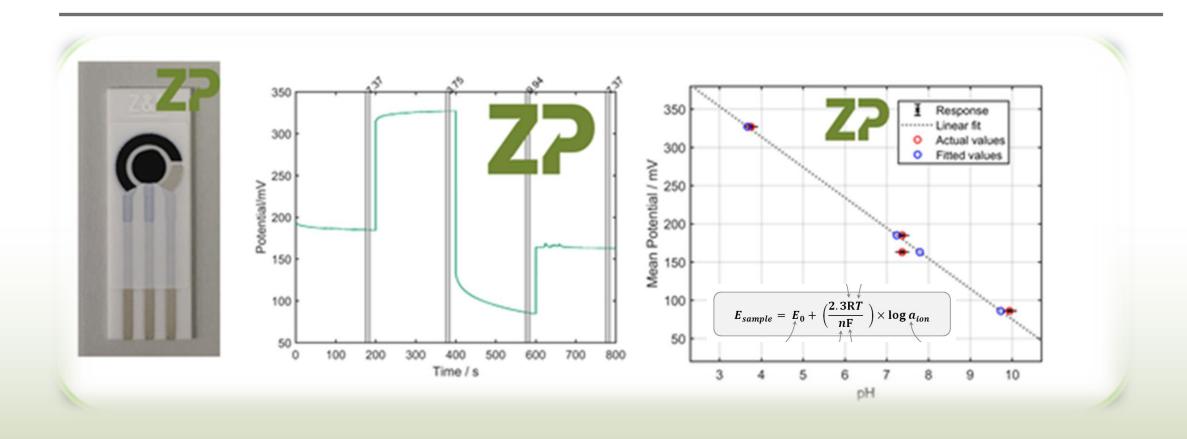
Amperometric and cyclic voltammetry analysis



Potentiometric Equation

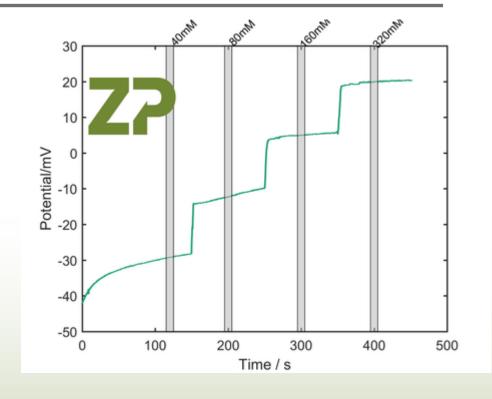


pH sensor



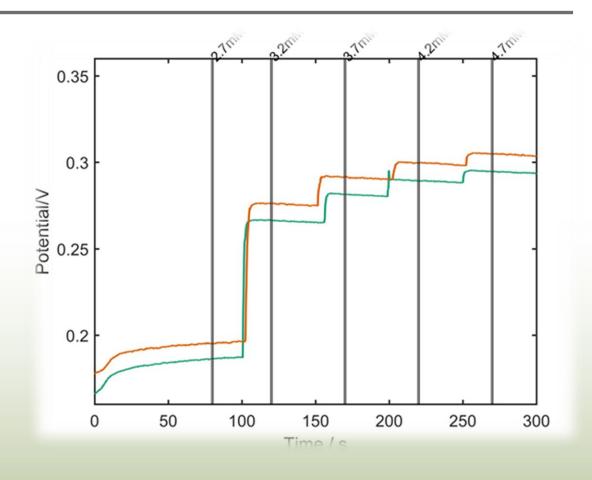
Sodium sensors





Time for practical – potassium sensor

- ONE Put the AnaPot into potentiometric mode.
- TWO Onto the sensor put a low potassium concentration.
- THREE Onto the sensor put a higher concentration of potassium.
- FOUR What did you observe?



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