



# Sodium Sensor

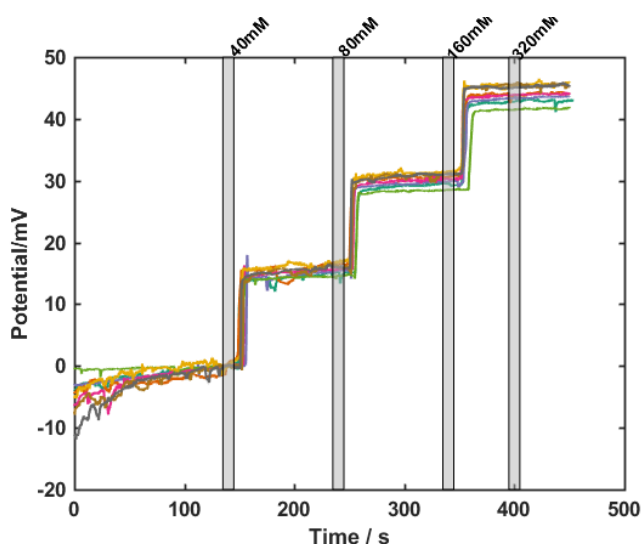
## Product description

Zimmer and Peacock's sodium sensors can be used in continuous or discrete mode. The ZP sodium sensor is a unique formulation as it can be used either for discrete measurements and disposed of after each use, or it can be left in place for continuous measurement. The sensors are semi-reusable.



Scan the QR-code for videos on how to use ZP sensors!

## Performance & features



### Testing for Sodium ion (Na<sup>+</sup>)

- Testing concentration range: 40 mM - 360 mM
- Linear range: 40 mM – 360 mM
- Settle time: 1.5 min
- Sensitivity: 0.02 log(C) / mV
- Interfering Ion: H<sup>+</sup>, K<sup>+</sup>

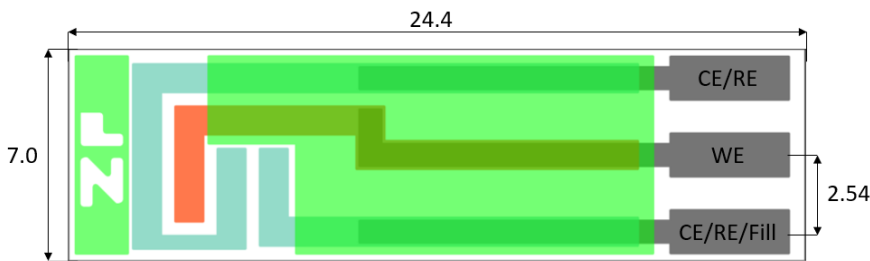
## Sensor materials

Substrate	Reference electrode	Working electrode	Counter electrode
Alumina	Silver Chloride	Carbon	Silver Chloride



# Sodium Sensor

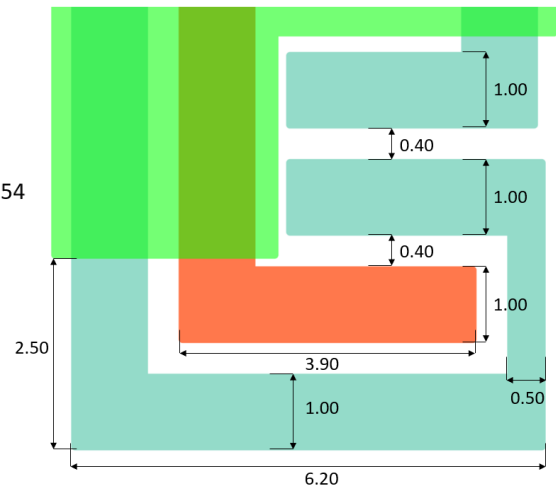
## Mechanical dimensions



Thickness = 0.625

All units in mm

Sensor product code: ZPS SOD-000-00068



## Storage

4-8 C°

Protect from exposure to UV-light

Recommended usage within 3 months of fabrication

50% RH  $\pm$  20% RH

## Safety

Take caution when handling the sensors as the edges and corners are sharp  
ZP recommends using gloves when handling the electrodes to avoid  
contamination of the sensor.

This product is not tested for biocompatibility and ZP takes no responsibility for  
in-vivo usage

## Customizability

Zimmer and Peacock can also make customized sensors with the option to target  
other analytes than those listed in this datasheet. We can offer different electrode  
configurations, geometry, and materials. Please contact us through the contact  
form on [zimmerpeacock.com](http://zimmerpeacock.com) or by e-mail on [sales@zimmerpeacock.com](mailto:sales@zimmerpeacock.com) for  
questions regarding customized sensors

[www.zimmerpeacock.com](http://www.zimmerpeacock.com)