



H₂O₂ Sensor

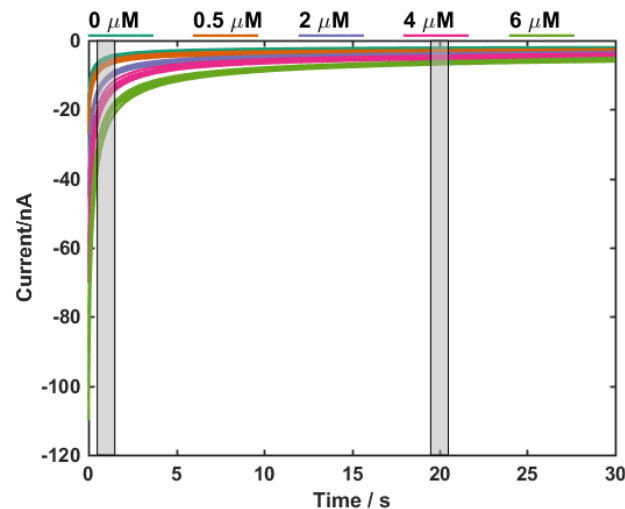
Product description

Zimmer and Peacock's hydrogen peroxide sensors can be used in continuous or discrete mode. The ZP hydrogen peroxide 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



- Range : 0.0001 – 1000 ppm
- Settle time: ~ 30 s
- (Analytical) Sensitivity: -4 ± 1.5 nA / μ M
- Accuracy: 20 %
- Limit of detection: 0.0001 ppm
- Working voltage = 650 mV
- Signal response = current (μ A to mA)

Sensor materials

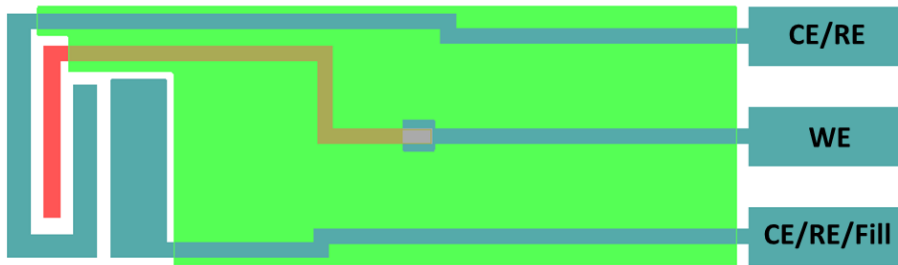
Substrate	Reference electrode	Working electrode	Counter electrode
Alumina	Silver Chloride	Carbon	Silver Chloride



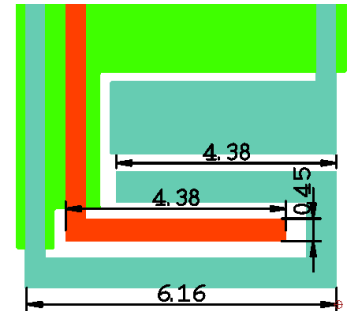
H2O2 Sensor

Mechanical dimensions

ZP – HP sensor



L = 25.4 mm, W = 7 mm, T = 0.625 mm



Size in mm

Storage

RT C°

Protect from exposure to UV-light

Recommended usage within 9 months of fabrication

5 - 100 % 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 or by e-mail on sales@zimmerpeacock.com for questions regarding customized sensors

www.zimmerpeacock.com