

## Sensor

**REFERENCE ELECTRODE (RE)**  
Silver/Silver Chloride with Chloride resilient coating

**WORKING ELECTRODE (WE)**  
Carbon

**COUNTER ELECTRODE (CE)**  
Carbon

**SUBSTRATE (SUB)**  
PET

## Dimensions

Length	26.30 ± 0.10 mm
Width	7.20 ± 0.10 mm
Substrate thickness	0.30 ± 0.02 mm
Thickness with print	0.35 ± 0.02 mm
Substrate weight	0.080 ± 0.001 g

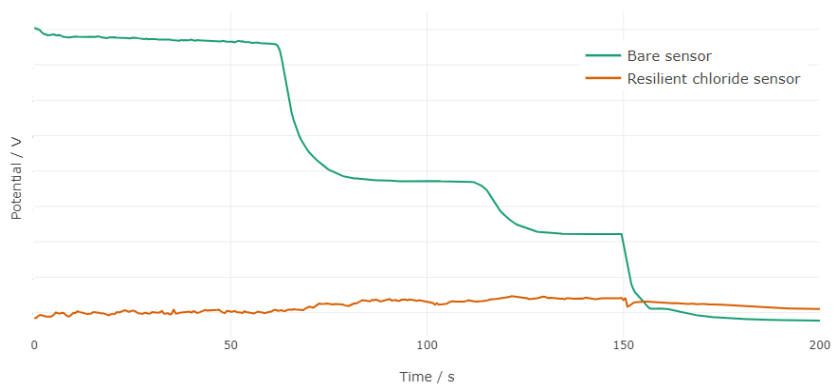
## General description

Sensor Name: 501 carbon - ResCl  
 Sensor Product Code: ZPS RES-000-00252  
 Revision number: ZPS RES-003-00252 v0.0

## Production description

501 carbon resilient chloride sensors suitable for disposable applications where it is desirable with a resilience against change in chloride concentration. The sensor can typically be reused when operated under recommended conditions.

## Performance



For the best possible outcome, we recommend using the sensor with ZP supplied potentiostats and our on-cloud data management system, djuli.



## Components and hazards

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Ingredients to be disclosed according to regulations:

Component (CAS nr.)	Hazards classification	Weight percent [%]
Silver (7440-22-4)	H400, H410	1-6 %
Silver Chloride (7783-90-6)	H400, H410	1-6 %

Take caution when handling these sensors, as there might be sharp parts and hazardous chemicals. Use personal protective equipment. Handle with gloves.

## Storage

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Recommended storage temperature 2-25°C, 20-50% RH. Keep dark, protect from exposure to UV-light. Keep sensor container tightly closed in a dry and well-ventilated place. Proper storage of sensors requires the sensing area to be facing upwards, free from any contact or interference. Recommended shelf life of Recommended shelf life of 6 months.

## Disclaimer

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This product is for research and development applications only. This product is not suitable for drug, food or household applications. Product is not tested for biocompatibility and ZP takes no responsibility for in-vivo usage. It is intended to be used in aqueous systems. Please contact ZP for discussing your intended application.

Take caution when handling the sensors, as there might be sharp parts and chemical hazards. Use personal protective equipment.

## Developer note

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