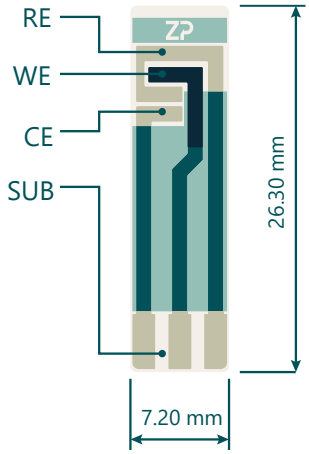
Technical Datasheet

PH HYPER VALUE SENSOR



Sensor

REFERENCE ELECTRODE (RE)

Silver/Silver Chloride

WORKING ELECTRODE (WE)

Carbon with analyte selective coating

COUNTER ELECTRODE (CE)

Silver/Silver Chloride

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
Weight	0.086 ± 0.001 g

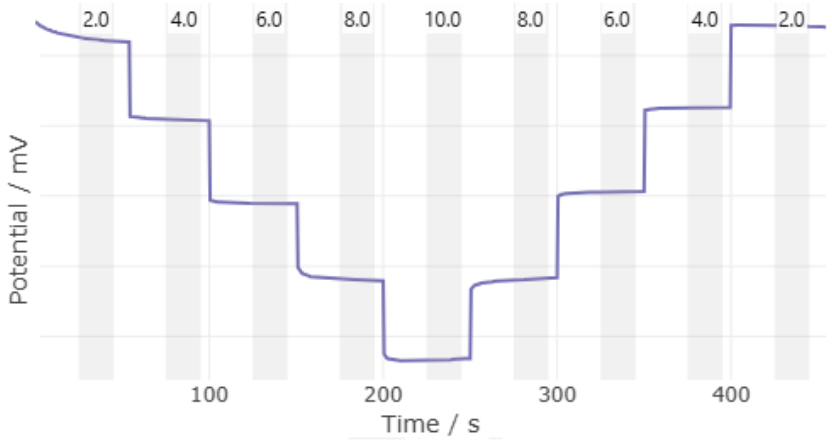
General description

Sensor Name:	pH Hyper Value Sensor
Sensor Product Code:	ZPS PHS-000-00156
Revision number:	ZPS PHS-003-00156 v.0.2

Production description

pH hyper value sensors are suitable for disposable applications, as well as for scenarios where continuous measurement is essential.

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

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. In case of contact with skin and eyes: Rinse thoroughly with plenty of water for several minutes. Avoid inhalation of vapor or mist. Keep away from sources of ignition.

Storage

Recommended storage temperature 2 - 15 °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 one year.

Disclaimer

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.

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Developer note

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