

September 26<sup>th</sup> 2023  
Castricum, The Netherlands  
Newsletter 2023-Q3

Dear readers,

With this newsletter we like to inform you about our day to day business, current projects, performance characteristics of our products and new product development. Enjoy reading!

## Day to day business

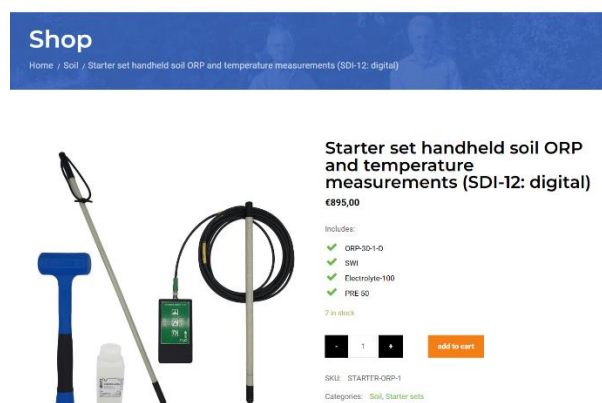


Our **soil Redox probes** and **reference electrodes** have probe bodies that are made from **glass-fiber reinforced epoxy (GRE)**. GRE has a high mechanical strength and a very good chemical resistance. This makes it an **ideal material** for our probes, which are used under **extreme environmental and climatological conditions**, ranging from agricultural soils to estuarine sediments, and from tropical to arctic temperatures.

We recently switched from **white** GRE probe to **black** GRE probe bodies. The performance characteristics of both probe bodies are the same.

Please contact us at [info@swapinstruments.com](mailto:info@swapinstruments.com), if you are interested in our products.

## SWAP webshop



Watch the instructional video about our 2 handheld ORP meters at [Instructional videos – SWAP instruments](#).

For webshop-related questions, please contact us at [sales@swapinstruments.com](mailto:sales@swapinstruments.com).

In the previous newsletter (2023-Q2), we informed you that the first standard **SWAP instruments products** are for sale in the **webshop**. Now, all our products are available in the shop ([Shop – SWAP instruments](#)).

We also offer 2 **starter sets** for handheld ORP measurements in our webshop,

- 1) One starter set with an analog soil Redox probe (**ORP-30-I-BNC**) and a Lutron ORP meter and
- 2) One starter set with a digital soil Redox probe (**ORP-30-I-D**) and a SWAP Wireless Interface (**SWI**) as ORP and temperature meter.

Both starter sets contain all the necessary items to perform Redox measurements right away. **Let's plug and play!**

## Instructional videos



Feel free to contact us  
at [info@swapinstruments.com](mailto:info@swapinstruments.com) for  
questions about our products.

Currently, we are recording **instructional videos** in which we **present our products** and explain how to perform maintenance. The first 3 instructional videos are now **available on our website**. These videos give information about:

- 1) The 2 handheld ORP meters that we offer.
- 2) Refilling the reference electrode (with 3 M KCl gel).
- 3) Polishing the Platina electrodes of the soil Redox probes.

Watch them on [Instructional videos – SWAP instruments](#). More instructional videos will follow.

---

## Redox probe applications: water analysis



Our **soil Redox probes** are specially designed for ORP measurements in **soil and sediment**. However, they can **also be used** to perform ORP measurements in **water** and other **aqueous media**.

Our Redox probes are **watertight** and can be fully submerged in water. They can be used for both **handheld** and **standalone** (with datalogger) ORP measurements.

For handheld measurements, it can be connected to a handheld ORP meter, for example the **Lutron YK-23RP** that we offer, or our **Swap Wireless Interface (SWI)**. With the SWI (see photos), the measurement data can be displayed, stored and e-mailed with an **Android phone** using our **free app**.

Do not hesitate to contact us  
at [info@swapinstruments.com](mailto:info@swapinstruments.com) if you have  
questions about ORP measurements in  
water and other aqueous media.

For **standalone** measurements it can be connected to a **datalogger** with an **analog** or **SDI-12 input**.

Water-related applications of our Redox probes are, for example, ORP measurements of **chlorine** in chlorinated **tap water** and **swimming pool water**.

---

If you are interested in our products or if you would like to receive some additional information, please contact us at [info@swapinstruments.com](mailto:info@swapinstruments.com) or visit our website [www.swapinstruments.com](http://www.swapinstruments.com).