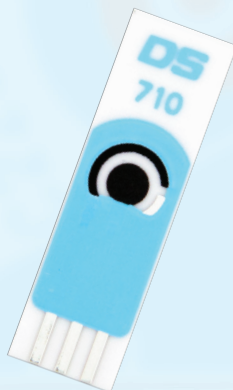


Screen-Printed Prussian Blue/Carbon Electrode

Ref. 710



Disposable **Screen-Printed Prussian Blue/Carbon Electrodes (ref. 710)** are ideal for the **determination of hydrogen peroxide at a low detection potential**. These electrodes are recommended for the development of **enzymatic biosensors based on oxidases**, for working with microvolumes and for decentralized assays.

Ceramic substrate: L33 x W10 x H0.5 mm

Electric contacts: Silver

The electrochemical cell consists on:

Working electrode: Prussian Blue/Carbon (4 mm diameter)

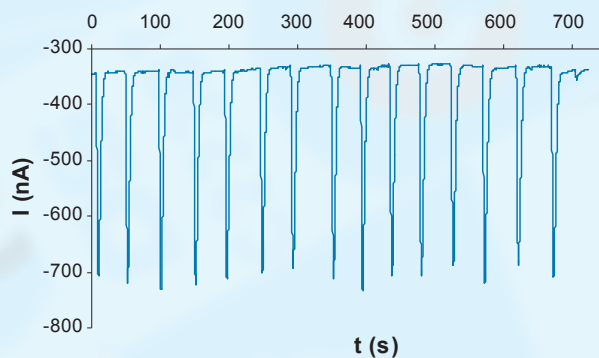
Auxiliary electrode: Carbon

Reference electrode: Silver

Screen-printed Prussian Blue/Carbon Electrodes are commercialised in 75 units packs. They should be stored at room temperature, protected from light in a dry place.

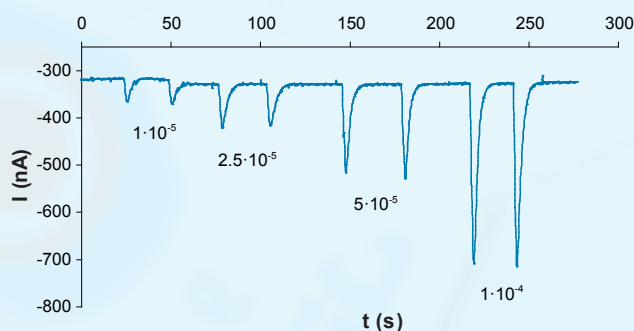
Screen-Printed Prussian Blue/Carbon Electrode

Ref. 710



Amperometric detection of hydrogen peroxide in a flow injection analysis system with our easy to use Flow-cell. The amperometric responses for $1 \cdot 10^{-4}$ M H_2O_2 at a ref. 710 electrode do not show any fouling effect. RSD% = 3.2, $n = 15$.

E_{det} -0.1 V; Flow rate 2.2 ml/min; Flow carrier 0.1 M phosphate buffer, pH 6.0 and 0.1 M KCl.



Analysis of hydrogen peroxide between $1 \cdot 10^{-5}$ M and $1 \cdot 10^{-4}$ M is presented in the figure.

E_{det} -0.1 V; Flow rate 2.2 ml/min; Flow carrier 0.1 M phosphate buffer, pH 6.0 and 0.1 M KCl.

Also, specific connectors that act as an interface between the screen-printed electrode and any potentiostat (refs. DSC, CAC) and other accessories are available at [DropSens](https://www.dropsens.com).

Related products



410



DSC



FLWCL



CELL



STAT400



STAT8000

Full Catalogue



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Contact Form

