Disposable Screen-Printed Prussian Blue/Carbon Electrodes (refs. 710, X7710, 4W710, 8W710 and 96X710) 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 (710 and X7710)
L38 x W20 x H1 mm (4W710)
L50 x W27 x H1 mm (8W710)

Electric contacts: Silver

The electrochemical cell consists on:

- Working electrode: Prussian Blue/Carbon
- Auxiliary electrode: Carbon
- Reference electrode: Silver
- Plastic substrate: L7.4 cm x W11 cm x H0.5 mm (96X710)
- Electric contacts Gold (96X710)

Co-Phthalocyanine/Carbon Electrodes are commercialised in a 75 units pack (710, X7710), 20 units pack (4W710, 8W710) and 2 plates pack (96X710). They should be stored at room temperature, protected from light in a dry place.
Screen-Printed Prussian Blue/Carbon Electrode

Refs. 710, X7710, 4W710, 8W710, 96X710

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 Metrohm DropSens.

www.metrohm-dropsens.com