# Screen-Printed Co-Phthalocyanine/Carbon Electrode

# Ref. 410


Disposable **Screen-Printed Co-Phthalocyanine/Carbon Electrodes (ref. 410)** 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:* Cobalt-Phthalocyanine/Carbon (4 mm diameter)

*Auxiliary electrode:* Carbon

*Reference electrode:* Silver

**Co-Phthalocyanine/Carbon Electrodes** are commercialised in a 75 units pack. They should be stored at room temperature, protected from light in a dry place.

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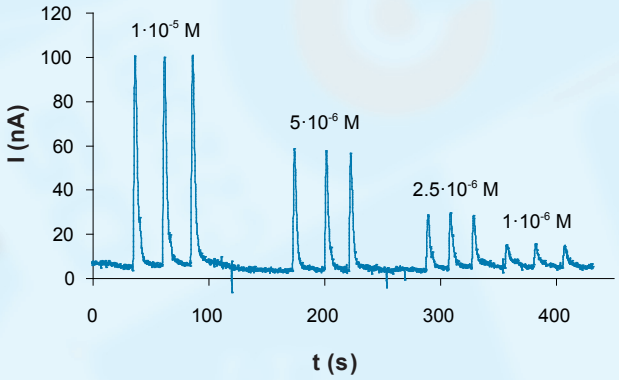
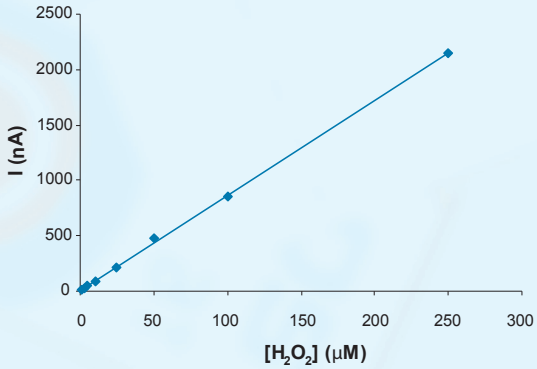



*Amperometric detection of hydrogen peroxide in a flow injection analysis system with our easy to use flow cell (ref. FLWCL). The amperometric responses for decreasing $H_2O_2$ concentrations at a ref. 410 electrode show neither fouling nor memory effects. $E_{det}$ +0.4 V; Flow rate 2.2 ml/min; Flow carrier 0.1 M phosphate buffer, pH 7.2*




*Calibration curve for hydrogen peroxide (in a 0.1 M phosphate buffer pH 7.2) from $1{\cdot}10^{-6}$ M to $2.5{\cdot}10^{-4}$ M in a FIA system (ref. FIASYSTEM using our Screen-printed Co-Phthalocyanine/Carbon electrodes. $E_{det}$ +0.4 V; Flow rate 2.2 ml/min*

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***.

*Related products*


710


DSC


FLWCL


CELL


STAT400


STAT8000

Full Catalogue

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