

Screen-Printed Carbon Electrodes with microholes

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Ref. MH-110

Metrohm DropSens has the capability to manufacture screen-printed electrodes with microholes. **As an example, these disposable Screen-Printed Carbon Electrodes (SPCEs)** consist on a working electrode with 19 spherical microholes (500 μm diameter and 750 μm centre to centre distance) hexagonally distributed.

Since they allow light to pass through and not be absorbed in the ultraviolet region, these electrodes could be used for sensing or spectroelectrochemical applications, among others.



The electrochemical cell consist on:

Working electrode: carbon (4mm diameter with 19 spherical microholes)

Auxiliary electrode: carbon

Reference electrode: silver

Electric contacts: silver

Ceramic substrate: L34 x W10 x H0.5 mm

MH-110 Screen-Printed Electrodes are commercialized in 20 units/pack. The sensors should be stored at room temperature in a dry place.

Under request, the configuration and dimensions of the holes are adapted to customer's requirements.

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