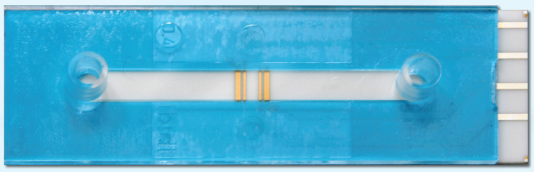
Thin layer Flow-Cell Screen-Printed Electrodes

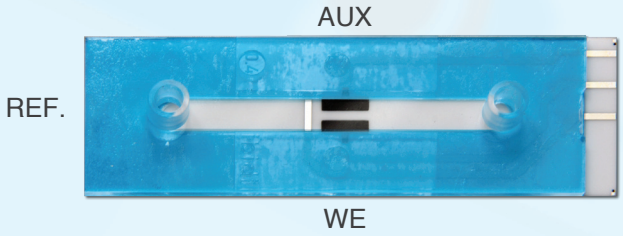
Refs. TLFCL110 TLFCL1110 TLFCL110S TLFCL2222AT

DropSens releases **Screen-Printed Electrodes integrated in one channel flow-cell** (TLFCL110, TLFLC110S, TLFCL1110, TLFCL2222AT). They are suitable for working with **Flow Injection Analysis** (FIA) systems as well as for an easy control of the sample volume **in batch mode**. Due to the transparent cover that defines one channel (height 400μm, 100μL of volume) a thin layer is formed over the electrochemical cell. The cover's transparency allows the detection of air bubbles inside the cell.

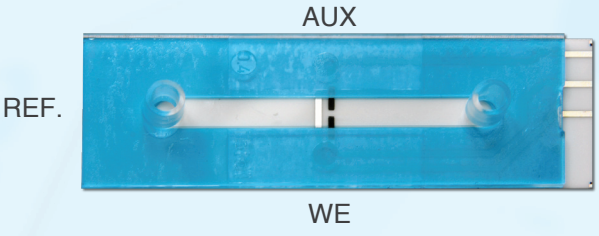


Ref. TLFCL2222AT

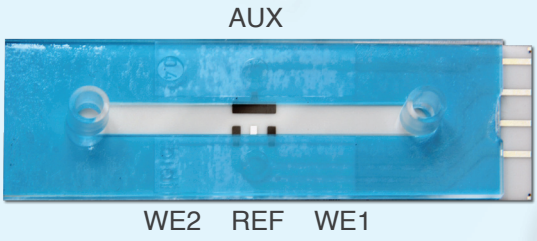
The integrated electrodes in thin layer flow cell design (**TLFCL**) are suitable to perform flow injection analysis. The slide is mounted over the screen-printed electrodes platform delimiting a flow channel. The injection is done through an "in-line luer injection port" (ref. TLFCL-INLINEPORT) where sample volume can be easily controlled by operator through a syringe. This configuration simplifies operability and effectiveness of working in FIA systems.



Ref. TLFCL110



Ref. TLFCL110S



Ref. TLFCL1110

Screen-printed electrodes offer several advantages such as avoiding tedious polishing of solid electrodes. They are suitable for decentralized assays, to develop specific (bio)sensors and other electrochemical studies.

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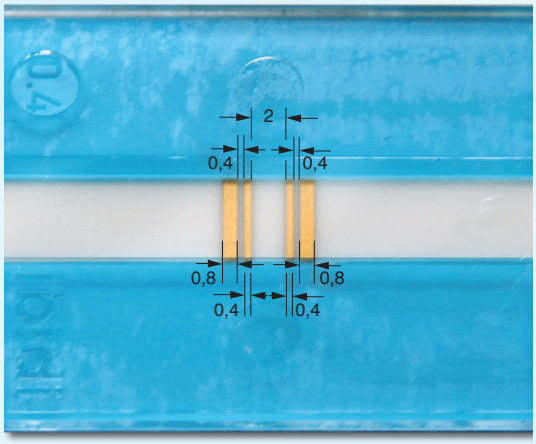
Thin layer Flow-Cell Screen-Printed Electrodes

Refs. TLFCL110 TLFCL1110 TLFCL110S TLFCL2222AT

Reference	TLFCL110	TLFCL110S	TLFCL1110
Ceramic substrate	L 80,5 X W 25,4 X 1 mm		
Electric contacts	Silver		
The electrochemical cell consists on:			
Working electrode	Carbon (area 12.6mm²)	Carbon (area 2 mm²)	Two carbon working electrodes
Auxiliary electrode	Carbon (area 12.6mm²)	Carbon (area 2 mm²)	Carbon (area 12.6mm²)
Reference electrode	Silver (area 5 mm²)	Silver (area 5 mm²)	Silver (area 1.5 mm²)

Reference **TLFCL2222AT** is formed by four gold electrodes that allow you to perform conductivity measurements.



External electrodes	0.8x5 mm
Internal electrodes	0.4x5 mm
Distance between internal electrodes	2 mm
Distance between internal and external electrodes	0.4mm

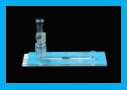
These electrodes are commercialized in 10 units packs. They should be stored at room temperature in a dry place.

Also, specific cable connectors Ref. CAC-TLFCL that act as an interface between these electrodes and any kind of potentiostat, are available at ***DropSens***.

Related products


TLFCL-HOLDER


TLFCL-FLOWFITTING


INLINEPORT


FIAEC


CAC-TLFCL


STAT400

Full Catalogue

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