

Thin-film electrodes over flexible plastic surface

01

These electrode references are manufactured on a flexible plastic substrate and feature a working electrode based on a thin-film. The different materials composing the electrode are deposited on the substrate and are presented in pure form on the electrode surface. The layer thickness is in the order of nanometres and a very flat surface is achieved.

These electrodes are suitable for working with microvolumes (50 μ L are recommended). In addition, they are disposable, therefore tedious work such as polishing on solid electrodes is avoided.

PW-AU10

Thin-film gold electrode over flexible white plastic substrate

The reference PW-AU10 is ideal to work in decentralised assays or to develop specific electroanalytical applications such as modification of SAMs, AFM or SECM experiments.

- Plastic flexible substrate: L33 x W10 mm
- Thickness of the plastic substrate: 500 μ m
- Electric contacts: Silver
- The electrochemical cell consists of:

Working electrode: Gold (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver



These thin film electrodes are commercialised in 20 units packs. They should be stored at room temperature, protected from light in a dry place.

PW-PD10

Thin-film palladium electrode over flexible white plastic substrate

PW-PD10 reference is ideal for decentralized assays or to develop specific electroanalytical applications such as monitoring of hydrogen peroxide, hydrogen evolution, oxygen reduction reaction, formic acid or methanol oxidation reactions.

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Thin-film electrodes over flexible plastic surface

02

- Plastic flexible substrate: L33 x W10 mm
- Thickness of the plastic substrate: 500 μm
- Electric contacts: Silver
- The electrochemical cell consists of:

Working electrode: Palladium (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver



These thin-film electrodes are commercialised in 20 units packs. They should be stored at room temperature, protected from light in a dry place.

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