

## InterDigitated Platinum Electrodes

Ref. G-IDEPT5  
G-IDEPT10



**DropSens InterDigitated platinum Electrodes (IDEs)** are composed of **two interdigitated electrodes** with two connection tracks, all made of platinum, on a glass substrate. These IDEs offer several advantages, such as working with low volumes of sample and avoiding tedious polishing of solid electrodes.

The interdigitated configuration typically enhances sensitivity and detection limits. They are suitable for decentralized assays, to develop specific (bio)sensors and other electrochemical studies.

Two dimensions for bands/gaps are available: **5  $\mu\text{m}$**  (ref. G-IDEPT5) and **10  $\mu\text{m}$**  (ref. G-IDEPT10).

Glass substrate dimensions: L 22.8 x W 7.6 x H 0.7 mm

According to Zaretsky's definition of Kcell and by mathematical calculation:

Cell constant for 5 $\mu\text{m}$  IDE = 0.0059cm<sup>-1</sup>

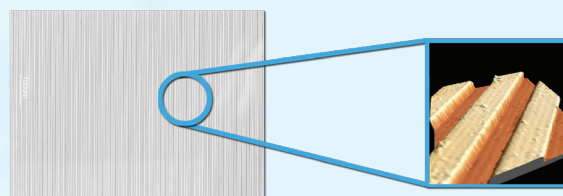
Number of digits: 250 x 2

With a digit length= 6760 $\mu\text{m}$

Cell constant for 10 $\mu\text{m}$  IDE = 0.0118cm<sup>-1</sup>

Number of digits: 125 x 2

With a digit length= 6760 $\mu\text{m}$



Stereo microscope (left) and AFM 3D (right) images of G-IDEPT5, 5  $\mu\text{m}$  bands/gaps IDE

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

Also, specific cable **connectors** that act as an interface between interdigitated electrodes and any potentiostat (ref. **CACIDE**) are available at **DropSens**.

### Related products



G-IDEAU5



G-IDEAU10



G-IDECONPT10



CACIDE



STAT400



STAT8000

Full Catalogue



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