

Interdigitated Electrodes over white and/or transparent plastic substrate

01

**Ref. PW-IDEAU50, P-IDEAU50, PW-IDEPD50, P-IDEAG50, P-IDEITO50
PW-IDEAU100, P-IDEAU100, PW-IDEPD100, P-IDEAG100, P-IDEITO100**



Reference: PW-IDEAU50
Substrate: plastic white
Material: gold
Lines/gaps: 50 μm



Reference: P-IDEAU50
Substrate: plastic transparent
Material: gold
Lines/gaps: 50 μm



Reference: PW-IDEPD50
Substrate: plastic white
Material: palladium
Lines/gaps: 50 μm



Reference: P-IDEAG50
Substrate: plastic transparent
Material: silver
Lines/gaps: 50 μm



Reference: P-IDEITO50
Substrate: plastic transparent
Material: ITO
Lines/gaps: 50 μm



Reference: PW-IDEAU100
Substrate: plastic white
Material: gold
Lines/gaps: 100 μm



Reference: P-IDEAU100
Substrate: plastic transparent
Material: gold
Lines/gaps: 100 μm



Reference: PW-IDEPD100
Substrate: plastic white
Material: palladium
Lines/gaps: 100 μm



Reference: P-IDEAG100
Substrate: plastic transparent
Material: silver
Lines/gaps: 100 μm



Reference: P-IDEITO100
Substrate: plastic transparent
Material: ITO
Lines/gaps: 100 μm

InterDigitated Electrodes (IDEs) over plastic or plastic white substrate are composed of two interdigitated electrodes with two connection tracks, all made of Palladium, Gold, Silver and ITO, **on a plastic and flexible substrate**. These IDEs offer several advantages, such as working with low volumes of sample and avoiding polishing of solid electrodes.

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

The dimensions for bands/gaps are 50 or 100 μm .

Plastic substrate dimensions: L 22.8 mm x W 7 mm x H 0.175mm

Interdigitated Electrodes over plastic substrate are commercialised in 50 units packs. They should be stored at room temperature, protected from light in a dry place.

Also, specific cable connector that act as an interface between interdigitated electrodes and any kind of potentiostat (ref. CACIDE-P) are available.

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