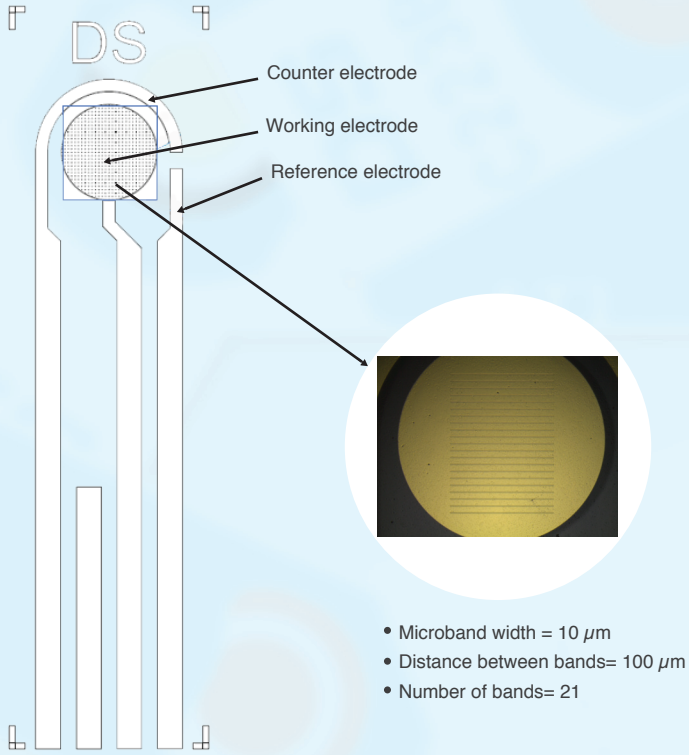
# Band MicroElectrodes Array

**Refs. G-MEAB222**
**G-MEAB555**

***DropSens*** **Gold** (ref. G-MEAB222) and **Platinum** (ref. G-MEAB555) **Band MicroElectrodes Array** are composed of a counter electrode, a reference electrode and a working electrode all fabricated in the same material, on a glass substrate, by using optical lithography technology.





- Microband width = 10 $\mu$m
- Distance between bands= 100 $\mu$m
- Number of bands= 21

The working electrode is a metallic surface made of gold or platinum, covered by a SU-8 resin that has been microperforated **in 21 bands of 10 $\mu$m width and distance between bands of 100$\mu$m**.
Arrays of microelectrodes yield in higher currents without altering the desirable characteristics of microelectrodes. Steady-state currents are observed and its behaviour is due to that nonlinear diffusion is the predominant mode of mass transport. DropSens microarray electrodes exhibit enhanced diffusion, to achieve steady-state currents with redox systems, sensitivity and detection limits.

*Do not touch the pattern area of the electrode directly as it could be scratched and give non expected results. If you need to clean the electrode, rinse carefully with ethanol and/or acetone, do not use ultrasonic cleaner, strong acid or basic solutions or any other organic solvent. Store the product at room temperature in a dry place.*

Microarray electrodes are commercialised in 20 units packs.

Also, specific cable connector that acts as an interface between Band MicroElectrodes Array and any potentiostat (ref. CACIDEMEA) is available at ***DropSens***.

*Related products*


G-IDEAU5


G-IDEPT10


G-IDECONAU10


G-IDECONPT10


STAT400


CACIDEMEA

Full Catalogue

Contact Form

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