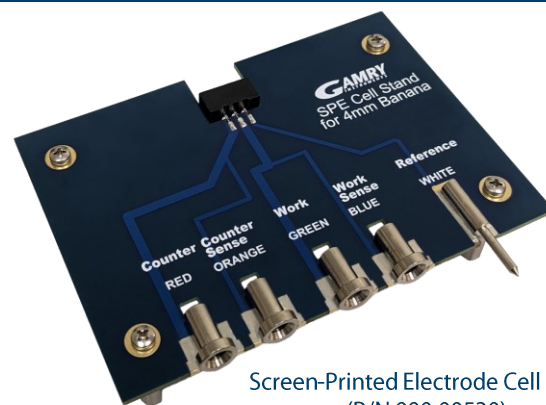


# Screen-Printed Electrodes and Holders

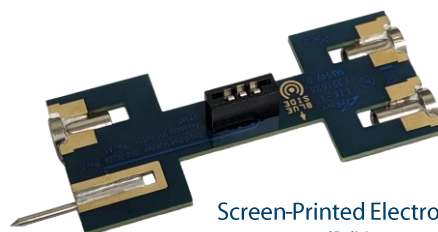
Screen-printed electrodes (SPEs) are universally usable and cost-effective electrochemical sensor devices. Their simple but flexible design, small footprint, and large variety of electrode materials makes them the ideal sensor for in-situ applications. Fast-sequenced measurements and quick data analysis are possible due to their short response time, high reproducibility, and disposability.

SPEs are based on a corundum ceramic. Onto the surface, the individual electrodes (working, counter, and reference) are deposited. Working and counter electrodes are usually made of a variety of pure metals. A conductive path for each individual electrode leads to the far side of the substrate. Electrochemically inactive traces are covered by a dielectric layer to ensure a well-defined electrode geometry.

Electrical contact to each electrode can be made using a suitable holder or portable instrument. Gamry offers a stand-alone SPE holders as well as an SPE adapter for use with cuvettes.



Screen-Printed Electrode Cell Stand (P/N 990-00530)



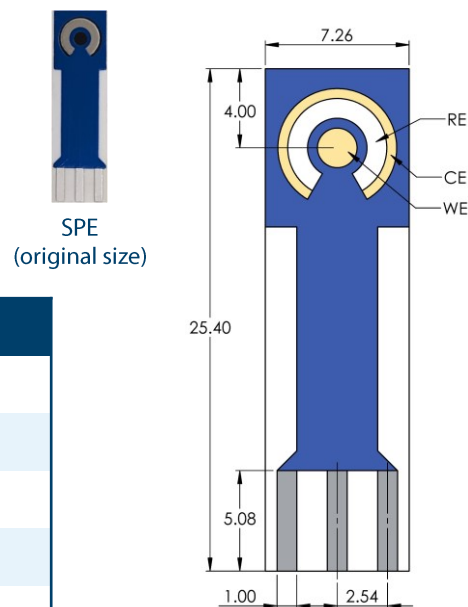
Screen-Printed Electrode Cell Adapter (P/N 990-00531)

## SPE specifications

- Corundum ceramic base
- Weight: 0.5 g
- Three-electrode design
- Thickness: 0.63 mm
- Disposable
- WE area:  $\varnothing$  2 mm (3.14 mm<sup>2</sup>)
- 2.5 mm pitch

## Ordering

Gamry P/N	Description
935-00135	Screen-Printed Electrode (pack of 20), Pt WE   Pt CE   Ag/AgCl RE
935-00136	Screen-Printed Electrode (pack of 20), Au WE   Au CE   Ag/AgCl RE
935-00137	Screen-Printed Electrode (pack of 20), Graphite WE   Graphite CE   Ag/AgCl RE
990-00530	Screen Printed Electrode Cell Stand
990-00531	Screen Printed Electrode Cell Adapter



Please visit Gamry's website or contact us directly for more information about the Screen-Printed Electrodes and Holders.



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