CVS Screen-Printed Electrodes

Order Code CVS-SPE25, CVS-SPE100

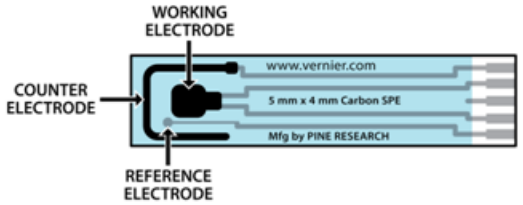
These screen-printed electrodes (SPE) are for use with the Go Direct® Cyclic Voltammetry System (GDX-CVS). For more information about this system, visit **www.vernier.com/gdx-cvs**

What's Included

- Screen-Printed Electrodes (25 if CVS-SPE25 is purchased or 100 if CVS-SPE100 is purchased)

Using the Electrodes

Each electrode pattern contains a carbon working electrode (5 mm × 4 mm rectangle), a carbon counter electrode, and a silver/silver chloride reference electrode screen printed on a single substrate. These electrodes are screen printed on a polymer substrate and are for use in aqueous solutions only.



For more information about this product, visit

www.vernier.com/go-direct-cvs-spe

Care and Maintenance

- Avoid touching the black electrode portion of the screen-printed electrodes.

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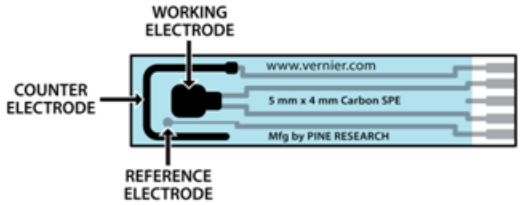

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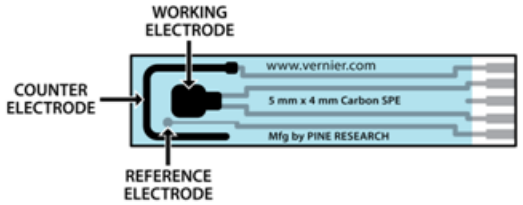

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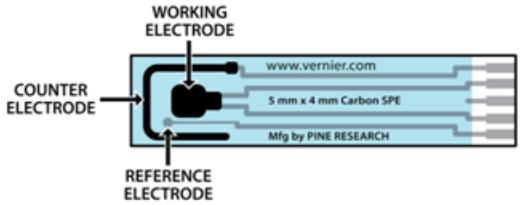

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- While not common, you may wish to activate your SPE carbon surface before running certain experiments. Follow these instructions to activate the surface of your SPE:
  1. Insert the SPE into the Go Direct CVS and place the SPE into the cleaning solution. The recommended cleaning solution for most applications is 0.1 M H_2SO_4.
  2. In the Vernier Instrumental Analysis™ app, run a 2-segment CV with Initial Potential of 1000 mV, Switching Potential 1 of –1000 mV, and Final Potential of 1000 mV. Set the Sweep Rate to 100 mV/s and Current Range to High. Repeat as necessary.

Warranty

This product is a consumable and is warranted on arrival only.

Troubleshooting

For troubleshooting and FAQs, see **www.vernier.com/til/5835**

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