DATASHEET

Visible Swagelok-Type Three-Electrode Battery Test Cell | Optical Windows, PEEK Body

Swagelok-type simulated coin cell with a single-side sapphire window for real-time observation and a reference-electrode port for three-electrode testing. PEEK body, GC-Φ3 collectors, 10/12/16 mm samples.

APPLICATION

ypical applications: morphology–electrochemistry coupling studies (cycle and watch simultaneously); three-electrode simulated cell testing; electrolyte/additive effects on interfacial behavior. Suitable for: 10/12/16 mm samples; observation with upright/stereomicroscopes.

KEY SPECS

- Body Material: PEEK
- Electrode System: Three-Electrode
- Optical Access: Single-side sapphire window, real-time
- Current Collectors: Glassy Carbon, GC-Φ3

1. Specifications

Body Material	PEEK
Electrode System	Three-Electrode
Optical Access	Single-side sapphire window, real-time
Current Collectors	Glassy Carbon, GC-Φ3
Reference Electrode	Ag/AgCl
Sample Diameter	10 / 12 / 16 mm

2. Product Details

The LabCore visible Swagelok-type three-electrode battery test cell adds two capabilities to the Swagelok-type simulated coin cell: you can see it, and you can measure it properly.

Real-time observation through a single-side sapphire window: a sapphire window on one side of the body gives a direct, real-time view of the electrode surface during cycling, compatible with upright and stereo microscopes.

Three-electrode configuration: with an Ag/AgCl reference electrode, the working-electrode potential is measured independently and cycling data is more trustworthy.

3. Order / Quote

Model	Pack Size	Availability
LC-B0011-PEEK-3E	1 set: PEEK cell body with optical windows, 2× glassy carbon electrodes (GC-Φ3), Ag/AgCl reference electrode, fastening screws.	Made to order (quote)

Current pricing and ordering: labcorematerials.com/products/visible-three-electrode-swagelok-test-cell/

4. Shipping & Compliance

- Empty hardware, no electrolyte or lithium. Optical windows and glass reference electrode packed with shock-absorbing insert. Not dangerous goods. International express.

Contact

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www.labcorematerials.com/products/visible-three-electrode-swagelok-test-cell/