LabCore
MATERIALS

In-Situ Raman Spectroelectrochemistry Cell (Basic) — 37 mm Quartz Window, PEEK Body

PEEK spectroelectrochemistry cell with a 37 mm quartz window; working electrode sits directly under the window (<6 mm) for in-situ Raman and optical observation. Ag/AgCl reference and Pt counter electrode included.

In-Situ Cells

Materials Characterization

Electrochemistry & Catalysis

Energy Storage

labcorematerials.com

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Product Overview

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The LabCore In-Situ Raman Spectroelectrochemistry Cell (basic) is designed for studying electrode materials under potential control — spectra and morphology, live.

The working electrode sits right under the window. A Ø37 mm quartz window with the WE less than 6 mm away gives short Raman paths and a wide optical field of view.

Ready to run. AgCl (or Ag+) reference and platinum-wire counter electrodes are included — connect your potentiostat and go. WE plates (Au, Pt, glassy carbon, ITO, FTO, carbon paper) ordered separately for your experiment.

Quick-disassembly design for easy cleaning; supports flow operation or static injection filling.

Technical Specifications

Parameter	Value	Unit
Body Material	PEEK	
Optical Window	Quartz, Ø37 mm	
WE-to-Window Distance	< 6 mm	
Working Electrode Area	1 cm², custom sizes available	
Working Electrode Types	Au / Pt / glassy carbon / ITO / FTO / carbon paper	
Working Electrode	Plate electrodes — Au / Pt / glassy carbon / ITO / FTO / carbon paper; sold separately	
Reference Electrode	AgCl or Ag+, included	
Counter Electrode	Platinum wire, included	
Assembly	Screw-fastened; quick assembly and disassembly for cleaning	

Operation Modes	Flow operation, or static filling by syringe injection

Order / Quote

Model	Pack Size	Availability
LC-C0311-PEEK-QZ	1 set: PEEK cell body with 37 mm quartz window, AgCl (or Ag+) reference electrode, platinum wire counter electrode. Working electrode plates sold separately.	Made to order (quote)

Current pricing and ordering: labcorematerials.com/products/in-situ-raman-spectroelectrochemistry-cell/

Shipping & Compliance

- Contains glass components (quartz window, electrodes). Packed with shock-absorbing insert. Not dangerous goods. International express.

Contact

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labcorematerials.com/products/in-situ-raman-spectroelectrochemistry-cell/