DATASHEET

Membrane Conductivity Test Cell | Two-Electrode, PEEK Body, Platinum Plate Electrodes

Two-electrode PEEK cell with platinum plate electrodes for ex-situ conductivity and resistance measurement of ion-exchange membranes (PEM/AEM). Clamps directly to any potentiostat or EIS analyzer.

APPLICATION

Typical applications
- Ex-situ conductivity screening of PEM / AEM membranes
- Membrane resistance tracking before and after degradation protocols
- Fuel-cell and flow-battery membrane QC in research labs

Suitable for: solid polymer ion-exchange membranes; EIS and DC methods; membranes larger than the 20 mm plate

KEY SPECS

- Body Material: PEEK
- Working Electrodes: Platinum Plate ×2
- Plate Spacing: 20 mm
- Membrane Size: Larger than plate spacing, up to 80 mm

1. Specifications

Body Material	PEEK
Working Electrodes	Platinum Plate ×2
Plate Spacing	20 mm
Membrane Size	Larger than plate spacing, up to 80 mm
Method (SKU2)	Four-Electrode (Pt Wire Sensing)
Application	Ion-Exchange Membranes (PEM / AEM)
Compatibility	Potentiostat / EIS Analyzer

2. Product Details

The LabCore Membrane Conductivity Test Cell measures the through-plane conductivity and resistance of ion-exchange membranes out of the box.

Two-electrode PEEK cell, platinum plate electrodes. Clamp your membrane, connect to any potentiostat or EIS analyzer, and measure — the reproducible clamping geometry keeps electrode/membrane contact consistent between runs.

Chemically inert PEEK body withstands acidic and alkaline electrolytes, for fuel-cell, electrolyzer, and flow-battery membrane work. A four-electrode version (C034-2, platinum wire sensing) is available for eliminating lead and contact resistance.

3. Order / Quote

Model	Pack Size	Availability
LC-C0341-PEEK-2E	1 set: PEEK cell body, 2× platinum plate electrodes, fasteners.	Made to order (quote)
LC-C0342-PEEK-4E	1 set: PEEK cell body, 2× platinum plate electrodes, 2× platinum wire sensing electrodes, fasteners.	Made to order (quote)

Current pricing and ordering: labcorematerials.com/products/membrane-conductivity-test-cell/

4. Shipping & Compliance

- Empty hardware, no electrolyte. Not dangerous goods. International express from China.

Contact

business@labcorematerials.com

www.labcorematerials.com/products/membrane-conductivity-test-cell/