



Electrochemical H-Cell

The H-Cell is a two-compartment electrochemical cell used for membrane testing, H₂ permeation, or any other experiment where two separate electrode chambers are required.

Both compartments can be separated by an ion-exchange membrane. Thus, any byproduct generated at the counter electrode does not affect the working electrode's behavior and vice versa.

The cell design allows a gas-tight setup. Each chamber is equipped with three glass joints for gas-purging or adding electrodes or sensors. The H-cell is available in different sizes, ranging from 25 mL up to 1 L for each compartment.



Applications

- Membrane research
- Fuel cell studies
- Electrochemical water splitting
- ASTM grade corrosion studies
- Redox flow batteries
- CO₂ reduction studies
- Reference electrode testing

Specifications

- Borosilicate glass cells
- Membrane -Ø: 16 mm or 35 mm
- Photo-electrochemistry (optional)
- Three-electrode setup
- 14/20 gas-purging joints (3)
- Volume: 25 mL to 1L
- Silicone septa

Ordering

Gamry P/N	990-00532	990-00533	990-00534	990-00535	990-00536	990-00537
Model No.	IP-HC-25	IP-HC-50	IP-HC-100	IP-HC-250	IP-HC-500	IP-HC-1000
Volume	25 mL	50 mL	100 mL	250 mL	500 mL	1000 mL*

*ASTM grade H₂ permeation studies

Gamry P/N	930-00066	Spare parts kit
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Please visit Gamry's website or contact us directly for more information about the Electrochemical H-Cell.

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