PRODUCT DATASHEET

Electrolyser and Fuel Cell System





OVERVIEW

The Tech Inc. Electrolyser and Fuel Cell System is an electrochemical testing platform engineered for hydrogen generation research, fuel cell membrane evaluation, and electrochemical separation studies. The Electrolyser and Fuel Cell System is a versatile laboratory platform for hydrogen generation and fuel cell membrane research, enabling researchers to study proton exchange membrane (PEM) electrolysis, alkaline electrolysis, and membrane electrode assembly (MEA) performance.

APPLICATIONS

PEM electrolyser membrane development and characterisation; alkaline water electrolysis catalyst and membrane research; fuel cell membrane electrode assembly (MEA) performance testing.

KEY ADVANTAGES

- Dual-mode operation supporting both electrolysis and fuel cell testing
- Precision DC power supply with voltage and current control
- Integrated gas collection and measurement system for hydrogen and oxygen quantification
- Temperature-controlled cell housing for performance studies at elevated temperatures
- Interchangeable membrane electrode assemblies (MEAs) for comparative testing

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.