

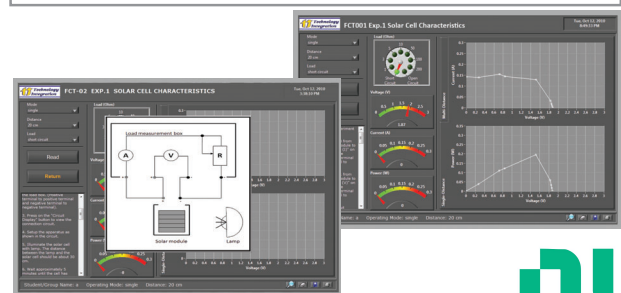


Curriculum Coverage

- Solar Cell Characteristics
- Adjust Solar Cell to Electrolyzer
- Electrolysis Characteristics
- Fuel Cell Characteristics

Features

- Computer based Fuel Cell Trainer
- Includes all required sensors to monitor cells and calculate the electrical characteristics.
- For use with NI's Data Acquisition & Control hardware



Description

Fuel cells are one of the key technologies of the 21st Century. Today manufacturers worldwide are actively engaged in developing fuel cells for use in mobile devices, automobiles and stationary power plants.

The Medium Power Fuel Cell Trainer setup allows a wide range of experiments with fuel cell technology, and our software provides all the data needed for sophisticated research into fuel cell operation. It also allows real-time monitoring of every cell in the stack, and can calculate the efficiencies and electrical characteristics of both fuel cells and electrolyzers.

Components

- Fuel Cell Stack 10
- Electrolyzer 65 Cell
- Hydrogen Storage Tank
- Oxygen Storage Tank
- 6.0V Solar Module
- 10mW Fan

NI¹ Compatible Platforms

- Compact RIO
 - Others²
1. NI
2. Please check with us about compatibility of other NI Platforms

Required NI Modules

- cRIO: NI 9207, NI 9375

Software

- User friendly with easy to use interface
- Developed using NI LabVIEW package
- Built-in safety features & limitations, and designed for students' use

Ordering Information Medium Power Fuel Cell Trainer

MPFCT001 - A - B

NI* Platform

1... cRIO

Power

1... 220 VAC

*Purchase NI Hardware Separately

For complete product specifications, pricing, and information:
e-mail: info@ti.jo / website: www.ti.jo