

HYDROGEN FUEL CELL TRAINER

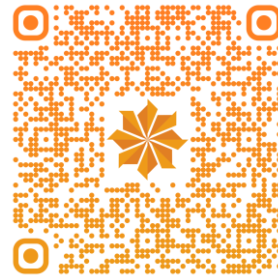


Overview

This option of the Hydrogen Fuel Cell Trainer can work in off-grid mode. It consists of a hydrogen cylinder, PEM fuel cell stack, DC-DC converter, load, pressure meter, flow meter, etc. The trainer allows to investigate the main principles of fuel cell operation and its characteristics. The students will learn how the hydrogen and air reaction can produce electrical energy.

The fuel cell stack uses ambient air. The hydrogen cylinder should be refilled with 99.99% purity hydrogen by the user.

YouTube Link: <https://youtu.be/oNjpB03RUL4>



Topics covered

- ✓ Structure and design of hydrogen fuel cell
- ✓ Structure and design of electrolyser
- ✓ Electrochemical processes of electrolysis
- ✓ Characteristics of the fuel cell

Hydrogen Fuel Cell Trainer Hardware Pictures





Hydrogen Fuel Cell Trainer Software Screenshots

