Fuel cell Technology Training System

Nvis 6007A

* Image is for illustrative purpose and subject to change

A fuel cell is a specific type of Proton Exchange Membrane (PEM) fuel cell, generates electricity by initiating chemical reactions between hydrogen and oxygen. This modular configuration allows for complete disassembly and subsequent reassembly, providing easy access to individual components such as the electrodes, membrane, and housing without compromising the core functionality of the fuel cell. This distinctive feature makes rebuildable PEM fuel cells highly serviceable, prolonging their operational life, reducing waste, and offering greater sustainability in the field of clean energy generation and power systems. In this manner, they represent an innovative and environmentally friendly approach to fuel cell technology.

Nvis 6007A Fuel cell Technology Training System is a versatile system for Electric Vehicle (EV) education laboratories to understand and explain the fundamentals of Hydrogen generation technology and Fuel cell Technology.

Features

- Complete Training System to study the working of PEM fuel cell.
- Fuel Cell – Completely disassembled and then reassembled.
- Short Circuit Proof.
- Provided with Digital Multimeter for further analysis.
- Air and Oxygen Mode.
- Portable and light weight.

Technical Specifications

Power in Hydrogen and Oxygen Mode	:	1 W
Power in Hydrogen and Air Mode (with Oxygen Plate)	:	800 mW
Power in Hydrogen and Air Mode (with Air Plate)	:	1.2 W
Electrode Area	:	16 cm^2
Generated Voltage	:	0.4 - 0.96 V DC
Dimensions (H x W x D)	:	3.9" x 3.14" x 3.07" (98 x 80 x 78 mm)
Weight	:	225gms

Requires Commercial distilled (deionized) water with a conductivity of < 2 µS/cm

Subject to change - Version 2.0

Designed & Manufactured in India by

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