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Product Name :
Fuel Cell Demonstration Unit

Product Code :
LBNY-0005-1730004



Description :

The fuel cell employed is a type giving an energy conversion of around 40%. The cells are a polymer membrane coated with platinum sandwiched between two machined plates. As shown in the illustration, the power element in the unit is a Hydrogen / Air fuel cell comprising ten cells in a stack connected to a control unit incorporating a loading system consisting of a variable rheostat, Ammeter and Voltmeter. The plates are then sandwiched into a 10 cell assembly between two steel end panels which form the electrodes. The characteristics of the fuel cell array can be determined by the instrumentation provided. Provision is made for the use of data logger, to log the output of the fuel cell.

Experimental Capability:

Measure current efficiency of Fuel Cell
Demonstrate battery charging
Demonstrate Fuel Cell characteristic.

Features:

Uses Hydrogen and Air to produce Clean Electricity
Desk top mounted
No Power supply required

Technical Specification :

Hydrogen / Air fuel cell comprising ten cell modules with maximum output about 12W and control unit for laboratory use comprising switching circuit, ammeter, voltmeter, load resistor, all carried in a high quality instrument case.



Laboratory Instrument India