



### Fuel Cell Trainer

The available experimental materials allow the carrying out of all basic experiments in the field of hydrogen-fuel cell technology. Because the experiments are built up modularly the adaption to the actual teaching is possible according to the requirement. The materials are arranged clearly and optically attractive in a specific red suitcase.

Category: Teaching Equipment

Courses: Selected Topics I

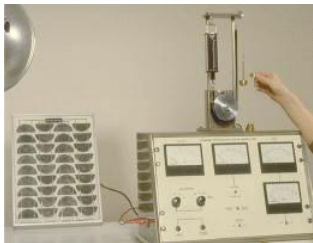


### New Energy Lab

A system comprising Solar PV panels, Wind Turbine and Fuel Cell connected to an Energy Management System.

Category: Teaching Equipment

Courses: Engineering Measurements, Energy Systems Laboratory, Free Elective



### Solar Photovoltaic cell

This unit provides students with the means of collecting and storing solar power, measuring the energy thereby made available and investigating the performance of the Photovoltaic unit. Unlike the simple absorbent panels currently widely used in order to supply low grade thermal energy, this unit enables both electrical and mechanical power to be obtained.

Category: Teaching Equipment

Courses: Selected Topics II, Senior Project II



### Flat Plate Solar Collector

This equipment shows how a flat plate solar energy collector works. It allows students to measure and find the efficiency and heat losses of a flat plate solar energy collector. The Flat Plate Solar Energy Collector is similar to those used for heating swimming pools and domestic hot water. It has a collector plate with integral water channels.

Category: Teaching Equipment

Courses: Heat Transfer, Selected Topics II



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### Concentrating Solar Collector

The apparatus shows the principles, advantages and limits of this method of capturing solar energy. It is a highly-polished stainless steel parabolic reflector, supported on trunnion bearings on a turntable. By adjusting the horizontal and vertical position of the reflector, students focus solar energy onto an energy collector. The energy collector is a copper cylinder with an embedded thermocouple that measures the cylinder temperature.

Category: Teaching Equipment

Courses: Selected Topics II