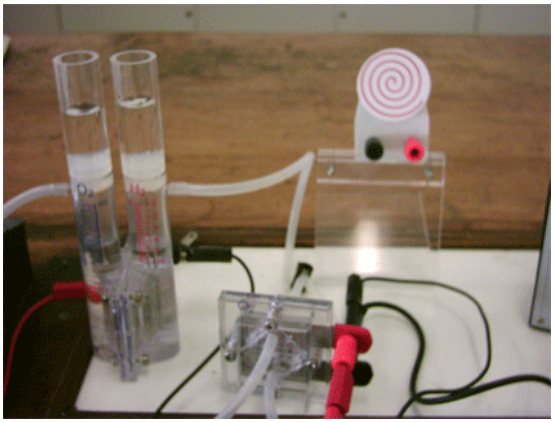
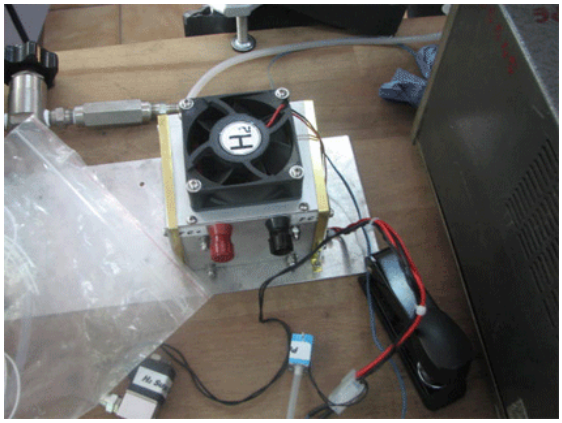
Photovoltaic - electrolysor - fuel cell educational kit

General presentation:
Hybrid energy conversion system based on an auxiliary module for producing and sustaining the electricity (photovoltaic), which is necessary for hydrogen synthesis from water by electrolysis (electrolysor). Thus the solar energy is converted into chemical energy. The chemical energy is back converted into electrical energy using an electrochemical module (fuel cell).

Technical characteristics:
• PEM Fuel Cell (0.9V, 100mA/cm2);
• PEM Electrolysor (150 mW - 4W, 300 mA - 2A; 1.5V - 2V);
• Photovoltaic Module (4V; 300 mA - 1000 mA).

Applicability: Education
Students training and demonstrations on alternative and environmentally energy technologies.