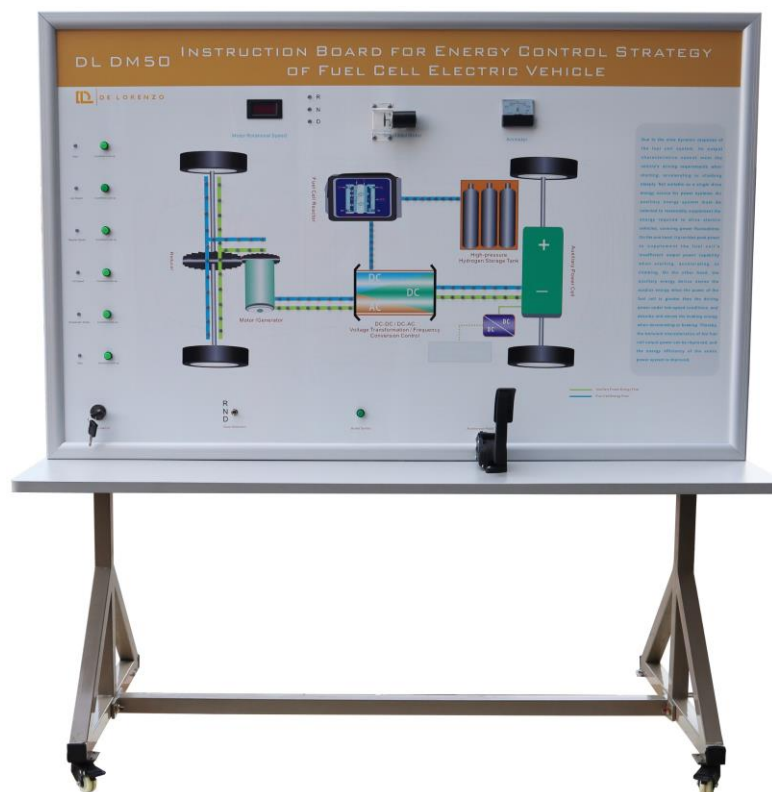




DEMONSTRATION BENCH FOR THE STUDY OF ENERGY CONTROL IN THE FUEL CELL ELECTRIC VEHICLE



AUTOTRONICS - DEMONSTRATORS

DL DM50

LEARNING EXPERIENCE

This demonstration bench shows a fuel cell electric vehicle energy control. It can dynamically simulate energy flow direction and motor running status at six working conditions such as starting, driving at low speed, normal speed, full speed and reduced speed and stopping of fuel cell electric vehicle. The bench applies to theoretical teaching and maintenance training of the fuel cell electric vehicle energy control strategy system for secondary vocational skill schools.

MAIN CHARACTERISTICS

The demonstration panel is installed with components including: ignition switch, operating mode switch, throttle pedal, gearshift switch, brake switch, digital tachometer, ammeter and supplemented with light emitting diode for dynamic indication of system flow direction. Additionally, a simulated machine is also equipped for demonstrating working state of motor.

GENERAL CHARACTERISTICS

OTHER CHARACTERISTICS

- a) The demonstration panel is made of 4 mm advanced aluminum plate, corrosion



- Dim. mm (HxLxW) : 1700x1600x700
- Weight approx. 100 kg
- Input power supply: AC 220V $\pm$ 10% 50 Hz
- Operation voltage: DC 12V
- Working temperature: -40°C ~ +50°C.

resistance, impact resistance, anti-pollution, fire resistance and moisture resistance. Its surface is processed with special spraying primer;

- b) The demonstration panel is made of 1.5 mm molded aluminum frame structure. Chassis part is welded with the steel structure, the surface is processed with spraying. The chassis is equipped with a self-locking casters.
- c) A small table top shelf is fixed on the instruction board frame to place material and testing devices
- d) The demonstration panel is supplied with an AC power of 220V which will be converted into a DC power of 12V through an internal transformer rectifier, without battery and recharging. The DC power supply of 12V is provided with protection function against short circuit.