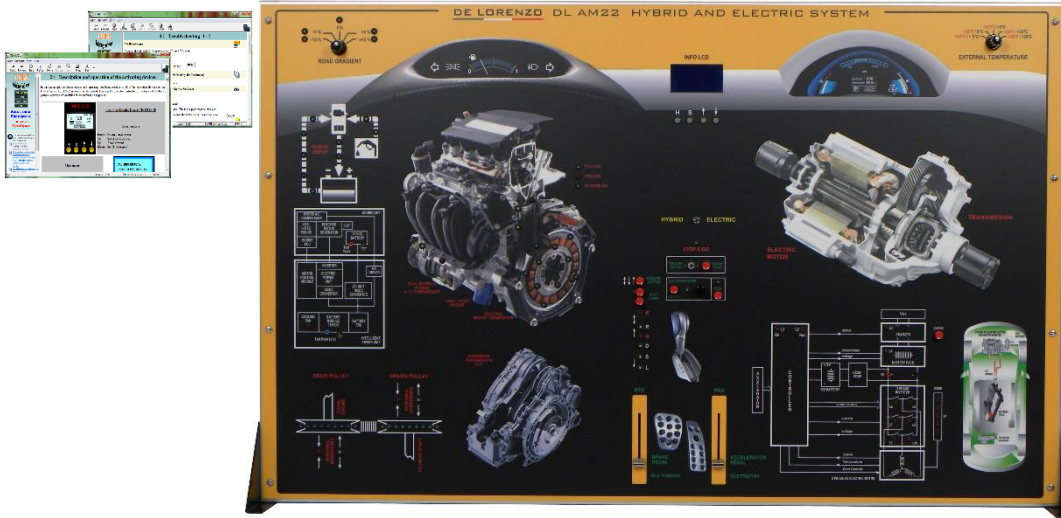




## HYBRID AND ELECTRIC SYSTEMS



### DL AM22

#### LEARNING EXPERIENCE

This simulation panel allows the study of the operating characteristics of an automobile with a hybrid system (internal combustion engine and electric motor) or totally electric.

The simulator is divided in two distinct sections:

- one section describes the Hybrid System
- the others section shows the Electric System, that can be selected with an HYBRID/ELECTRIC switch

#### GENERAL CHARACTERISTICS

- Dim. mm approx (HxLxW) : 700x1000x150 - (470 with the base)
- Weight approx. kg 25
- Input power supply: AC 220V±10% 50 Hz
- Working temperature: -40°C ~ +50°C.

#### MAIN CHARACTERISTICS

The simulator represents different subsystems on the panel such as :

- the Hybrid system divided into Gasoline Unit and Electric Unit, Continuously Variable Transmission (CVT), Dual-Scroll Hybrid A/C Compressor and Intelligent Power Unit
- Electric system divided into High voltage battery, recharging system, electric motor control system 12 volt battery and its recharging, three-phase inverter

This vertical frame bench-top trainer is specially designed to show to students how automotive systems work. The simulator consists of a panel operated by the support of a computer with a coloured silk-screen diagram that clearly shows the structure of the system and allows the location of the components on it.

The display of the information available on the computer screen allows the continuous control of the educational system. The operational conditions can be entered by the students and the insertion of faults can be carried out through the computer by the teacher.

The trainer is supplied with a CAI Software and the supported documentation guides the students to the study and the performance of the simulation exercises.

All components installed and given leads are made to protect the safety of the students.