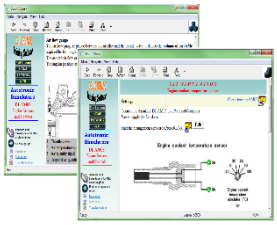
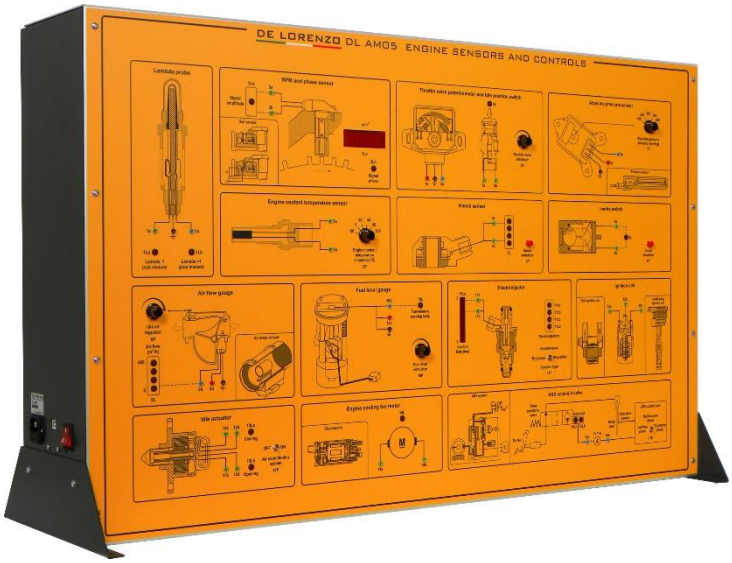
AUTOTRONICS

ENGINE SENSORS AND CONTROLS





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AUTOTRONICS - SIMULATORS

LEARNING EXPERIENCE

The extensive use of sensors and actuators comes from the need of the electronic control panels to know in real time the actual values of the physical parameters to be controlled or which influence the behaviour of the car.

This simulation panel deals with the characteristics and the use of sensors, transducers and actuators used in a car.. The simulator takes into consideration all these components, by analyzing their behaviour and their structure.

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

It is possible to simulate:

- Temperature sensors
- Pressure sensors
- Air flow rate sensors
- Position sensors
- Rpm/reference point sensors
- Oxygen sensors (Lambda probe)
- Knock sensors
- Level Sensors
- Inertial sensors
- Electro pumps and geared motors
- Servomotors
- Electro valve
- Electro injectors
- Coils

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.

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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.

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