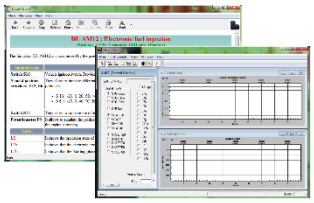
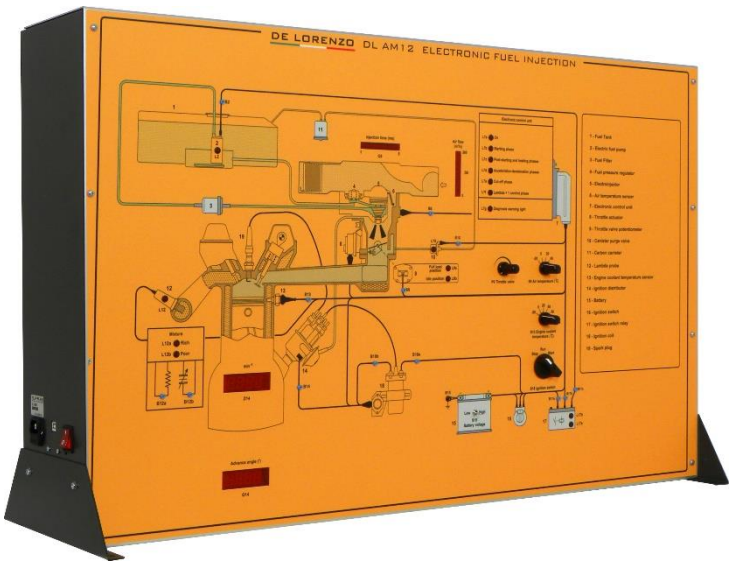
ELECTRONIC FUEL INJECTION





DL AM12

LEARNING EXPERIENCE

The simulation panel is specially designed and realized to allow for a complete and easy learning of the techniques and of the electronic devices used for a correct fuel ignition and injection in the car.

This simulator explains how modern cars injection systems can operate.

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:

- Relationship between the duration of injector opening to the quantity of injected fuel
- Air temperature effect on the quantity of injected fuel
- Signal analysis with oscilloscope
- Injection time calculation with oscilloscope
- Injection time calculation with tachometer and dwell meter
- MAF sensor operation
- Valve position switch output signals
- Valve position sensor output signals
- Study of injector activation signal at various conditions
- Injection duration at various speeds, temperatures and engine loads
- Oxygen sensor operation

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

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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.