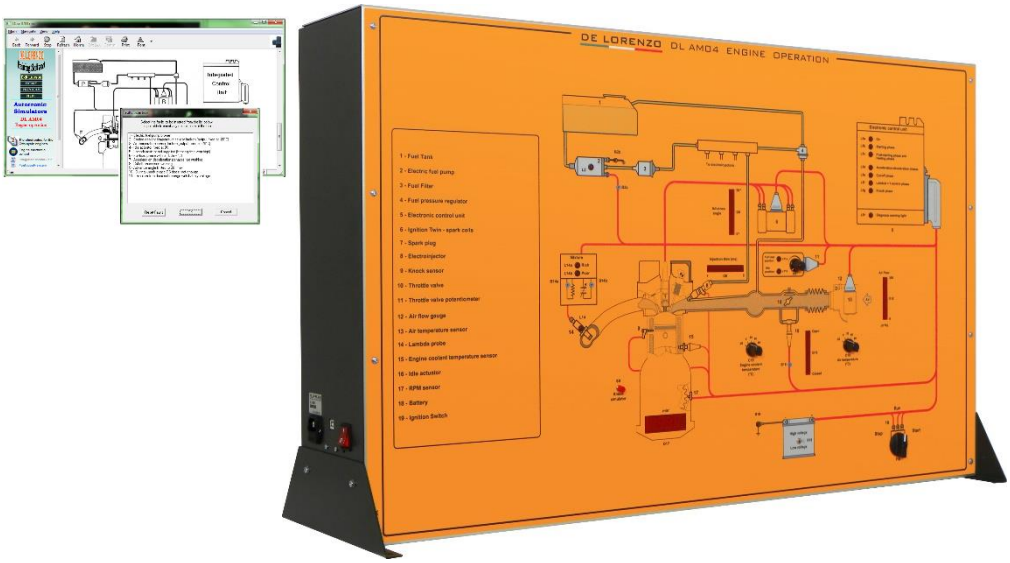
ENGINE OPERATION



DL AM04

LEARNING EXPERIENCE

This simulation panel deals with the study of the engine operations in vehicles. The simulator analyses all the devices used in the techniques and electronic devices used for a correct operation of Otto cycle engine.

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:

- Ignition phase
- Heating phase
- Lambda regulation
- Quick acceleration/deceleration phases
- Cut-off phase
- Regulation of the injection time
- Regulation of the advance angle
- Regulation of the minimum rpm
- Regulation of the knock
- Limitation of the rpm

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.