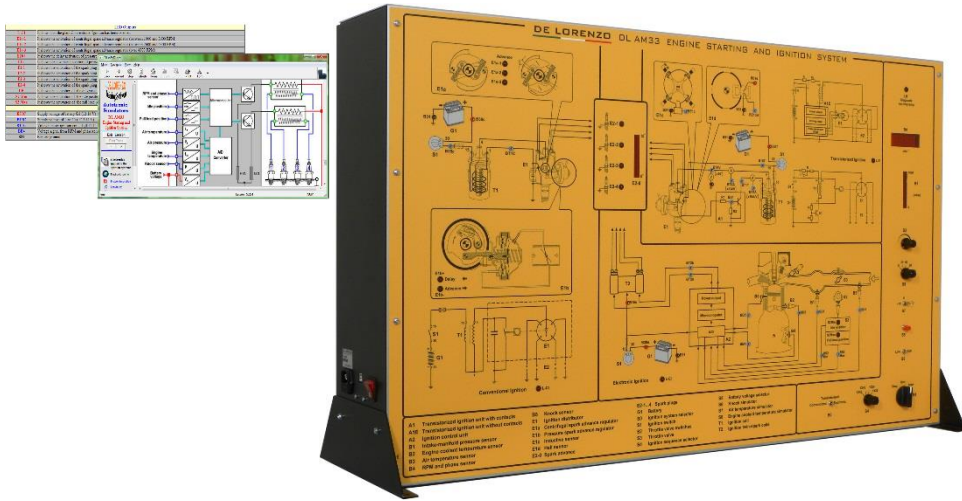




ENGINE STARTING AND IGNITION SYSTEM



DL AM33

LEARNING EXPERIENCE

This simulation panel has been specially designed and realized to analyse the main types of ignition systems. It studies the characteristics of the ignition systems in Otto cycle engines and the electronics applied to ignition systems.

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 covers the main following topics:

- Conventional ignition controlled through contacts
- Transistor based ignition controlled through contacts
- Transistor based ignition controlled through Hall transducer, with fixed closing angle
- Transistor based ignition controlled through inductive sensor, with fixed closing angle
- Electronic ignition with RPM sensor, knock adjustment, dwell adjustment, and direct command of twin-spark 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.

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.