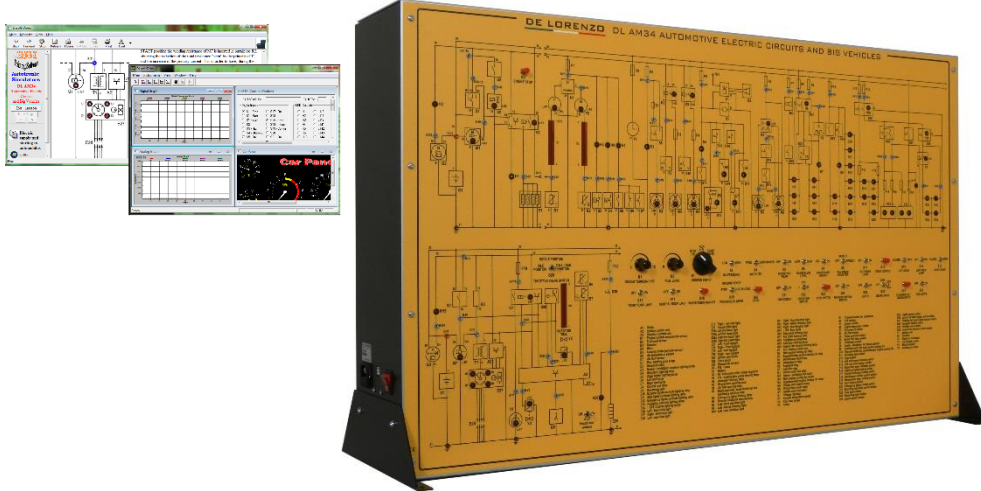




AUTOMOTIVE ELECTRIC CIRCUITS AND BIG VEHICLES (LORRIES, BUSES)



DL AM34

LEARNING EXPERIENCE

This simulation panel has been specially designed and realized to allow for a complete and easy learning of the techniques and the electrical devices used in cars and big vehicles such as lorries, buses, etc.

The following sections of the electric plant are reproduced and analysed:

- electrical supply
- starting
- ignition
- fuel injection
- auxiliary plants (doors opening/closing, defrosting, anti-theft system, radio, etc.)
- indicators
- cooling and aeration
- windshield wipers
- signalling system
- lighting system
- head lights
- anti-fog lights

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 system covers the following subjects:

- Electrical components in cars,
- Electrical circuits in cars,
- Electrical circuits faults, short-circuits, open circuits, bad components in cars,
- Electrical components and their symbols in cars,
- Automotive electrical wiring diagrams,
- 12V circuits
- Electrical components in big vehicles,
- Electrical circuits in big vehicles,
- Electrical systems in big vehicles,
- Electrical components and their symbols in big vehicles,
- Lorries electrical wiring diagrams,
- Practical exercise on fault recognition and malfunction repair (troubleshooting).

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 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.