



## CAR AIR CONDITIONING SYSTEM



AUTOTRONICS - DEMONSTRATORS

### DL DM31

#### LEARNING EXPERIENCE

The trainer corresponds to an aftermarket unit mounted on a chassis. Ideal for training in the operation, maintenance, repair and troubleshooting. The system can simulate 4 electrical failures without disconnecting connectors and wires, but by acting on switches which interrupt the following circuits:

- Compressor enable signal from pressure switch
- Compressor clutch
- Cooling fan enable signal from pressure switch
- First speed evaporator fan

#### MAIN CHARACTERISTICS

This trainer integrates the main components of a vehicle air conditioning system. The compressor is driven by an electric motor at mains voltage allowing the execution of the refrigeration cycle and the operation of the entire system. It is possible to monitor the compressor inlet pressures (low pressure, blue) and the compressor output pressure (high pressure, red) and the temperatures of the condenser and of the evaporator.

#### Main features:

- Max. power 2 kW
- Cooling liquid 400gt Freon R134a
- Piston compressor
- Condenser



## GENERAL CHARACTERISTICS

- Dim. mm approx (HxLxW) : 1300X1000X750
- Weight approx. kg 150
- Power supply: AC 220V $\pm$ 10% 50/60 Hz
- Working temperature: -40°C ~ +50°C.
- Dehydrating filter
- Pressure switch
- Expansion valve
- Evaporation unit
- Resistor
- Thermostat
- Troubleshooting device for simulation of 4 faults
- Nomenclature table

System supplied with manual.

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