



COMMON RAIL DIESEL ENGINE MANAGEMENT SYSTEM



DL DM22

LEARNING EXPERIENCE

The trainer enables the study of the operating of the electronic, mechanic and hydraulic elements that constitute the control and fuel feed system of the contemporary CR/EDC ignition diesel engine.

GENERAL CHARACTERISTICS

- Dim. Main Bench mm approx (HxLxW) : 1700x1000x500
- Dim. Small Bench mm approx (HxLxW) : 1350x900x450
- Weight approx. kg 150
- Input power supply: AC 220V±10% 50/60 Hz
- Working temperature: -40°C ~ +50°C.

MAIN CHARACTERISTICS

The system is composed of two benches:

- The main training bench shows the common rail pump and injector control system for demonstration of its working and for the study of the electric and hydraulic parameters of the high-pressure pump and electro-injector control system. The module can work autonomously or together with the Diesel Common Rail engine electronic control unit. The pump drive control allows the simulation of the full rotational speed range from the start phase to full capacity.
- The small training bench shows a Diesel Common Rail engine control unit, equipped with a microprocessor controller used for the demonstration of the high-pressure pump and electro-injector control system. The module can only work with the pump and injector control module.

The fault simulation console can create errors in chosen circuits and it is possible to observe the reaction of the control system to the occurred position.